

SECRET

NPIC/R-90/67
JANUARY 1968

25X1

This is the third group of items disseminated as part of NPIC/R-90/67, Southeast Asia Activity Report, Selected Ports, Transshipment Points, and River Craft Facilities, North Vietnam. Fourteen items are included in this portion of the report, 8 newly reported sites and 6 updated installations. Effective dates are printed directly under the NPIC report number on each page and listed in the tables of contents. NPIC will continue to disseminate new and updated items as photography becomes available.

Remove existing pages and replace with identically numbered January pages. When superseded or no longer required, pages may be destroyed in accordance with applicable security directives.

Cover

Table of Contents (I)

Section A

Table of Contents (A-II)
Locator Map (A-III)
Locator Map (A-V)
A69 thru A74 (new items)

Section B

Table of Contents (B-II)
Locator Map (B-III)
Locator Map (B-V)
B45, B46
B53 thru B58 (new items)

Section C

Table of Contents (C-II)
Locator Map (C-III)
Background (C-IV)
Photo Mosaic (C-V)
C3 thru C6
C21 thru C24
C27, C28
C29, C30 (new items)

Section D

Introduction (D-I, D-II)
12D

Index

Index (I, II)

DECLASS REVIEW by NIMA/DOD

SECRET

25X1

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

25X1

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

25X1

SECRET

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

PHOTOGRAPHIC INTERPRETATION REPORT



SOUTHEAST ASIA ACTIVITY REPORT

SELECTED PORTS, TRANSSHIPMENT POINTS, AND RIVER CRAFT FACILITIES NORTH VIETNAM

NPIC/R-90/67
JANUARY 1968

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

25X1



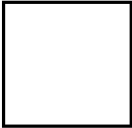



Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

SECRET

25X1



TABLE OF CONTENTS

	<u>Effective Page</u>	
Table of Contents	i (Jan 68) 	25X1
Introduction	ii (May 67)	
Background	iii (May 67)	
Section A, Ship Repair/Building Yards		
Table of Contents	A-II (Jan 68) 	25X1
Locator Map	A-III (Jan 68)	
Locator Map	A-V (Jan 68)	
Section B, Ports/Transshipment Points		
Table of Contents	B-II (Jan 68) 	25X1
Locator Map	B-III (Jan 68)	
Locator Map	B-V (Jan 68)	
Section C, Hai Phong Port Area		
Table of Contents	C-II (Jan 68) 	25X1
Locator Map	C-III (Jan 68)	
Background	C-IV (Jan 68)	
Hai Phong Port Area Photo Mosaic	C-V (Jan 68)	
Section D, Miscellaneous		
River and Coastal Vessels	D-I, D-II (Jan 68)	
Index	I, II (Jan 68) 	25X1
		25X1

25X1



SECRET

NPIC/R-90/67
JANUARY 1968

TABLE OF CONTENTS SECTION A SHIP REPAIR/BUILDING YARDS

Map Key	Installation Name	Effective Page
1	Suoi Rut Boat Repair Facility	A1, A2 (May 67)
2	Hoa Loan Boat Yard	A3, A4 (May 67)
3	Tien Nha Boat Yard	A5, A6 (Oct 67)
4	Ha Noi Shipyard, Thanh Tri	A7, A8 (May 67)
5	Ha Noi Shipyard, Thuong Thon	A9, A10 (May 67)
6	Thuong Tra Boat Yard	A11, A12 (May 67)
7	Ha Chieu Boat Yard, Song Hoa	A13, A14 (Oct 67)
8	Ha Chieu Boat Repair Yard	A15, A16 (Oct 67)
9	Uong Bi Boat Yard, Thai Khe	A17, A18 (May 67)
10	Yen Cuong Boat Yard	A19, A20 (May 67)
11	An Ninh Noi Shipyard	A21, A22 (May 67)
12	Phap Co Shipyard	A23, A24 (May 67)
13	Hon Gai Naval Base and Shipyard, Bai Chay	A25, A26 (May 67)
14	Ha Tou Boat Repair Facility	A27, A28 (May 67)
15	Ap Da Chong Barge Yard	A29, A30 (May 67)
16	Kien An Shipyard, Phuong Chu	A31, A32 (Oct 67)
17	Thai Binh Boat Yard	A33, A34 (May 67)
18	Ninh Binh Ship Repair Yard	A35, A36 (May 67)
19	Yen Phuc Barge Yard	A37, A38 (May 67)
20	Port Wallut Naval Base and Shipyard	A39, A40 (May 67)
21	Hoa Dong Boat Yard	A41, A42 (May 67)
22	Hoa Noi Shipyard, Thuong Thuy	A43, A44 (May 67)
23	Kenh Dao Boat Yard	A45, A46 (May 67)
24	Gia Thuong Rail Ferry Fitting Out Facility	A47, A48 (May 67)
25	Xom Trai Boat Building Yard	A49, A50 (May 67)
26	Thai Nguyen Iron and Steel Combine, Shipbuilding Area	A51, A52 (May 67)
27	Quang Khe Boat Yard	A53, A54 (May 67)
28	Hung Yen Boat Yard	A55, A56 (May 67)
29	Co Phuc Barge Yard	A57, A58 (May 67)
30	Hon Gai Ship Repair Yard West	A59, A60 (May 67)
31	Kim Son Shipyard	A61, A62 (May 67)
32	Lang Lau Barge Construction Yard	A63, A64 (May 67)
33	Quan Xa Boat Yard	A65, A66 (Oct 67)
34	Hoanh Ma Boat Yard	A67, A68 (Oct 67)
35	Tien Yen Boat Yard	A69, A70 (Jan 68)
36	Yen Cuong Boat Repair Yard	A71, A72 (Jan 68)
37	Thai Lai Boat Yard	A73, A74 (Jan 68)

SECRET

SECRET

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

NPIC/R-90/67
JANUARY 1968

CHINA

CHINA

NORTH VIETNAM

1

SUOI RUT

LAOS

HA NOI

HAI PHONG

NORTH VIETNAM

35

20

MONG CAI

CAM PHA

25X1

27

QUANG KHE

THAILAND

25X1

25X1

SOUTH VIETNAM

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

SECRET

SECRET

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

NPIC/R-90/67
JANUARY 1968

NORTH VIETNAM

HAI PHONG

HON GAY

NAM DINH

PHU NHU

HA NOI

21

5

18

19

23

33

3

32

26

2

25

22

24

4

36

6

11

10

29

16

37

8

7

9

34

31

12

30

15

13

14

17

25X1

25X1

25X1

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

SECRET

~~SECRET~~

25X1

25X1A

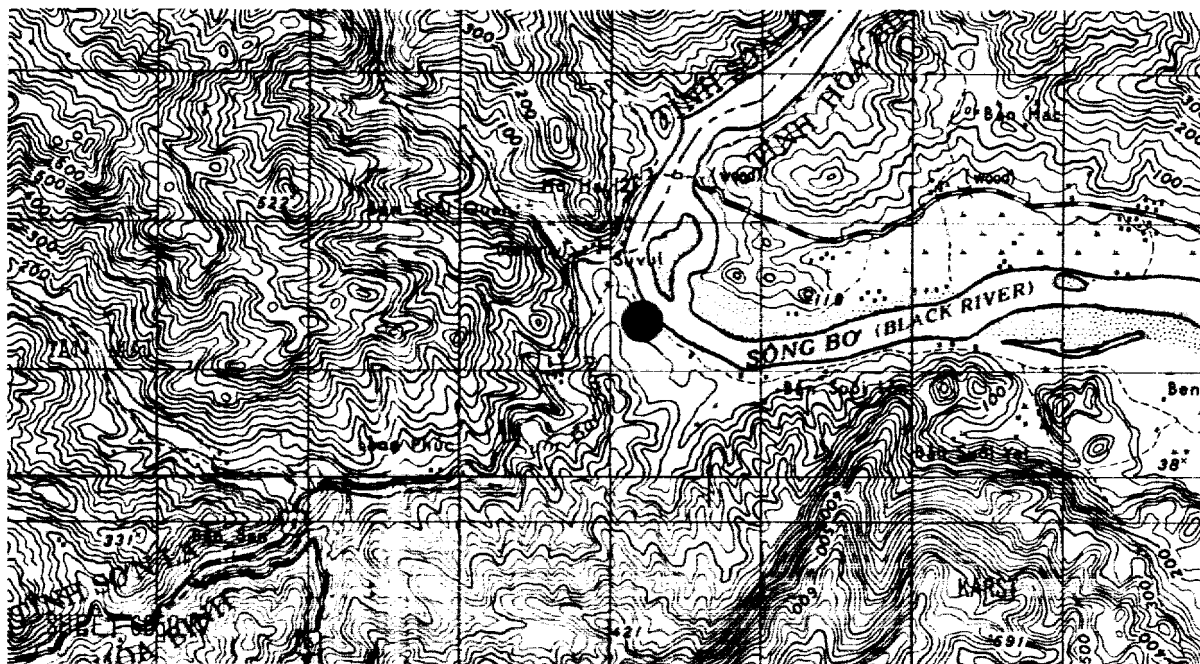
	WH082954 UTM COORDINATES	204536N 1050445E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: SUOI RUT BOAT REPAIR FACILITY

LOCATION: ON THE WEST BANK OF THE SONG BO (BLACK RIVER), 0.3 NM SSE OF
SU VUI

DESCRIPTION: FACILITY CONSISTS OF A DOUBLE-TRACK MARINE RAILWAY AND SEVERAL
SMALL SUPPORT BUILDINGS. TWO POSSIBLY ASSOCIATED AREAS ARE UNDER DEVELOP-
MENT ADJACENT TO THE FACILITY. THE FIRST CONTAINS AN EXCAVATION OF A TYPE
FOR A BUILDING FOUNDATION; THE SECOND HAS BEEN LEVELED AND A CUT MADE IN A
HILLSIDE FOR A NEW MOTORABLE ROAD EXTENDING TO ROUTE 6.

25X1D



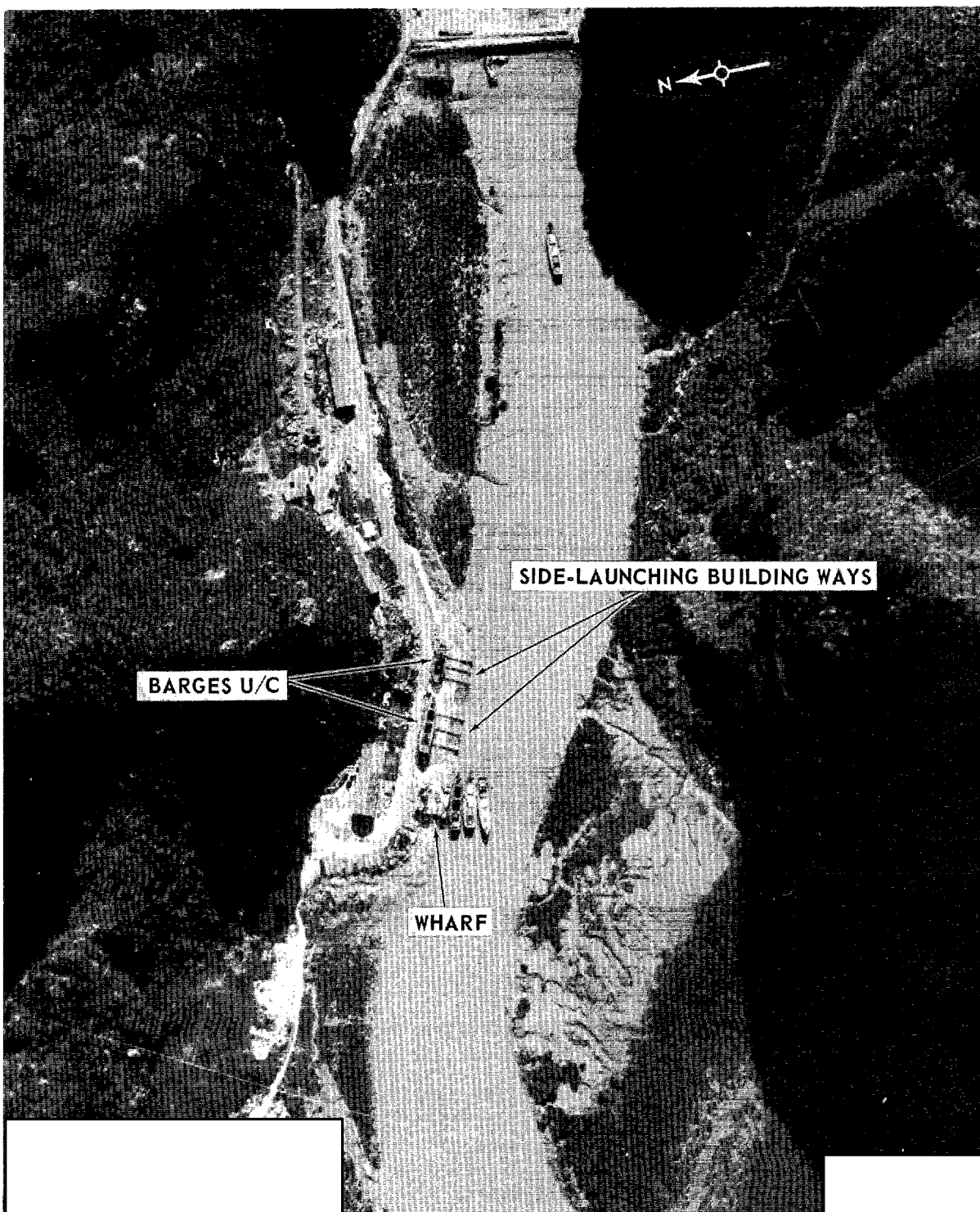
25X1

~~SECRET~~

SECRET

NPIC/R-90/67
OCTOBER 1967

25X1



25X1D

25X1

HOANH MA BOAT YARD, NORTH VIETNAM

SECRET

25X1

SECRET

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015

NPIC 'R-90/67
15 JANUARY 1968

YJ494594
UTM COORDINATES

211918N 1072418E
GEOGRAPHIC COORDINATES

LOCATION: ON THE NORTH BANK OF THE SONG TIEN YEN (RIVER), 0.5 NM SOUTH OF TIEN YEN

25X1D

[illegible]

25X1

Page A69

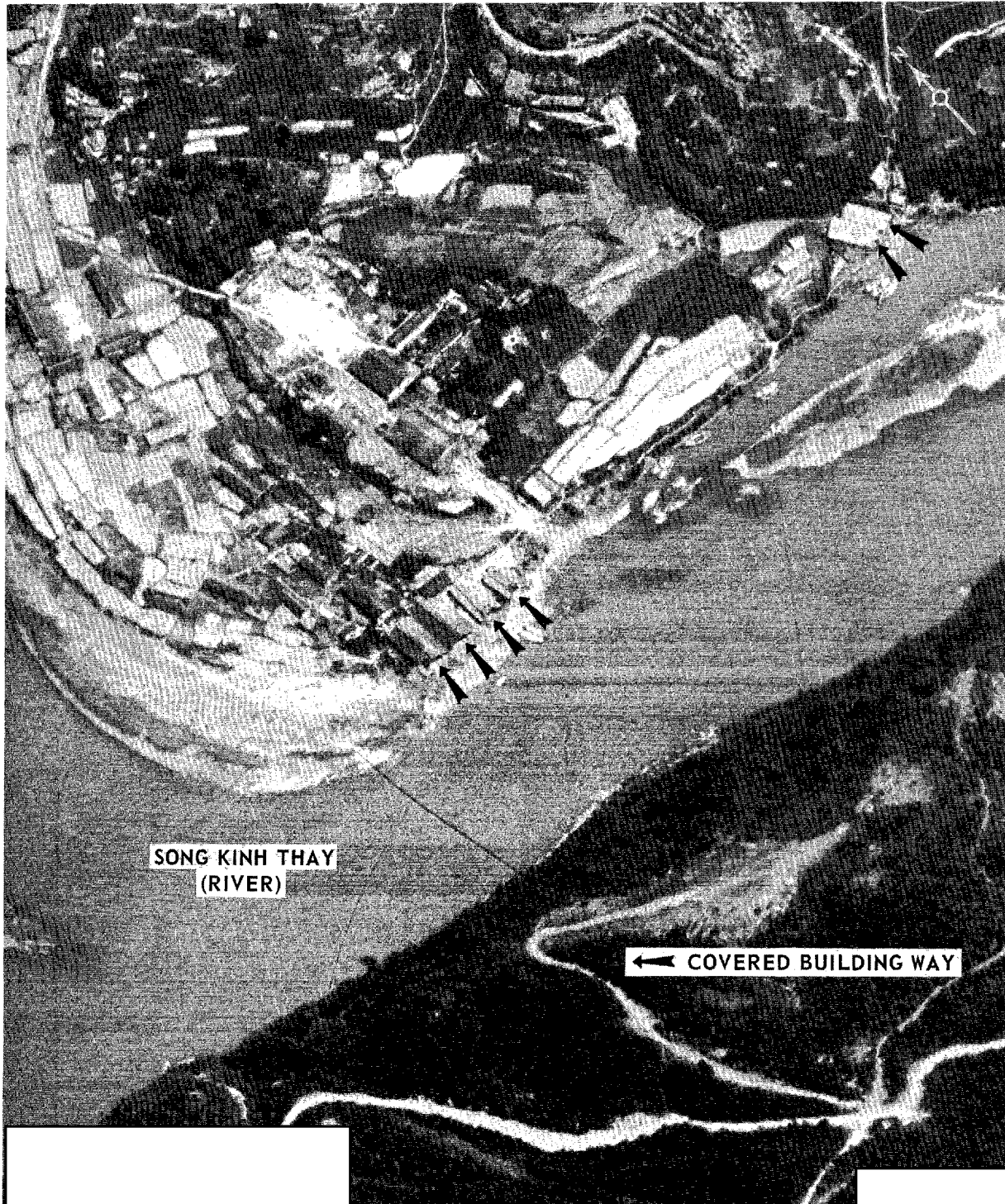
Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

26 (CIA)

SECRET

NPIC/R-90/67
JANUARY 1968

25X1



25X1D

25X1

TIEN YEN BOAT YARD, NORTH VIETNAM

SECRET

25X1

SECRET

NPIC R-90/67
JANUARY 1968

25X1

25X1A

XJ615229
UTM COORDINATES

210005N 1063310E
GEOGRAPHIC COORDINATES

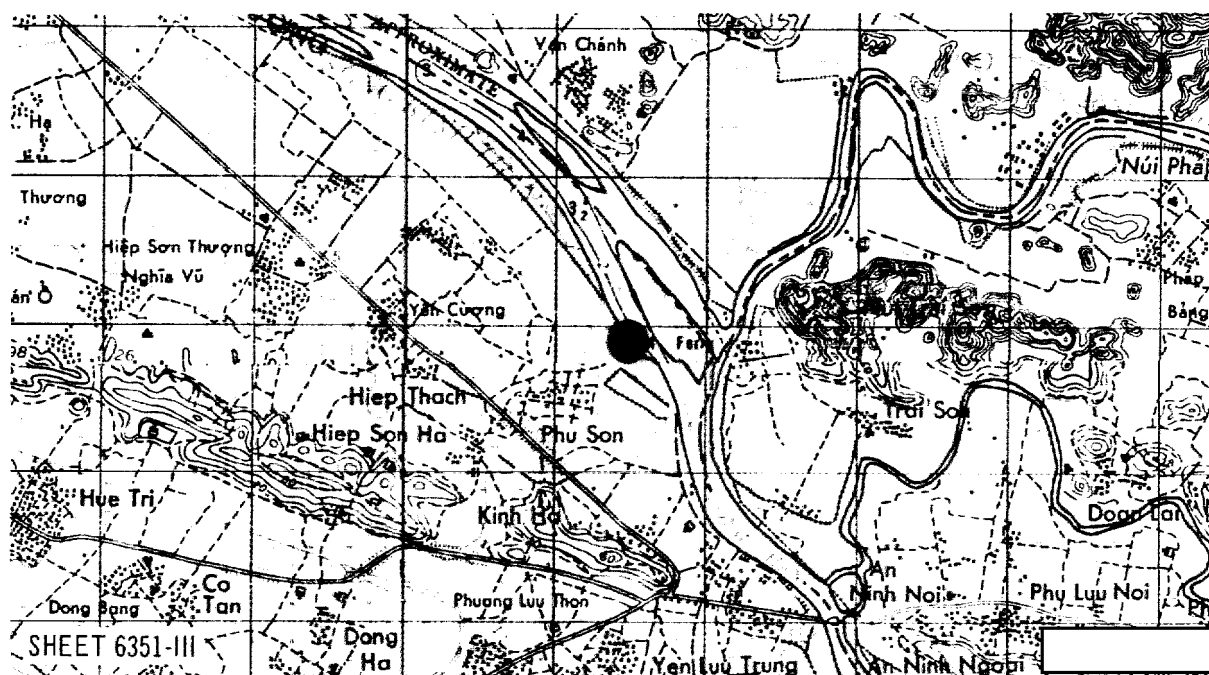
NAME: YEN CUONG BOAT REPAIR YARD

LOCATION: ON THE WEST BANK OF THE SONG KINH THAY (RIVER), 0.9 NM EAST OF YEN CUONG

DESCRIPTION: FACILITY FOR CONSTRUCTION OF SMALL BOATS AND BARGES CONSISTS OF 2 TIDAL BASINS AND 1 SUPPORT BUILDING. FACILITY APPEARS TO BE AT FULL CAPACITY PRODUCTION LEVEL. SEVEN BARGES ARE UNDER CONSTRUCTION IN THE TIDAL BASINS AND 6 BARGES ARE UNDER CONSTRUCTION ON THE ADJACENT BANK.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6351-III, 1ST ED, 1965 (U)



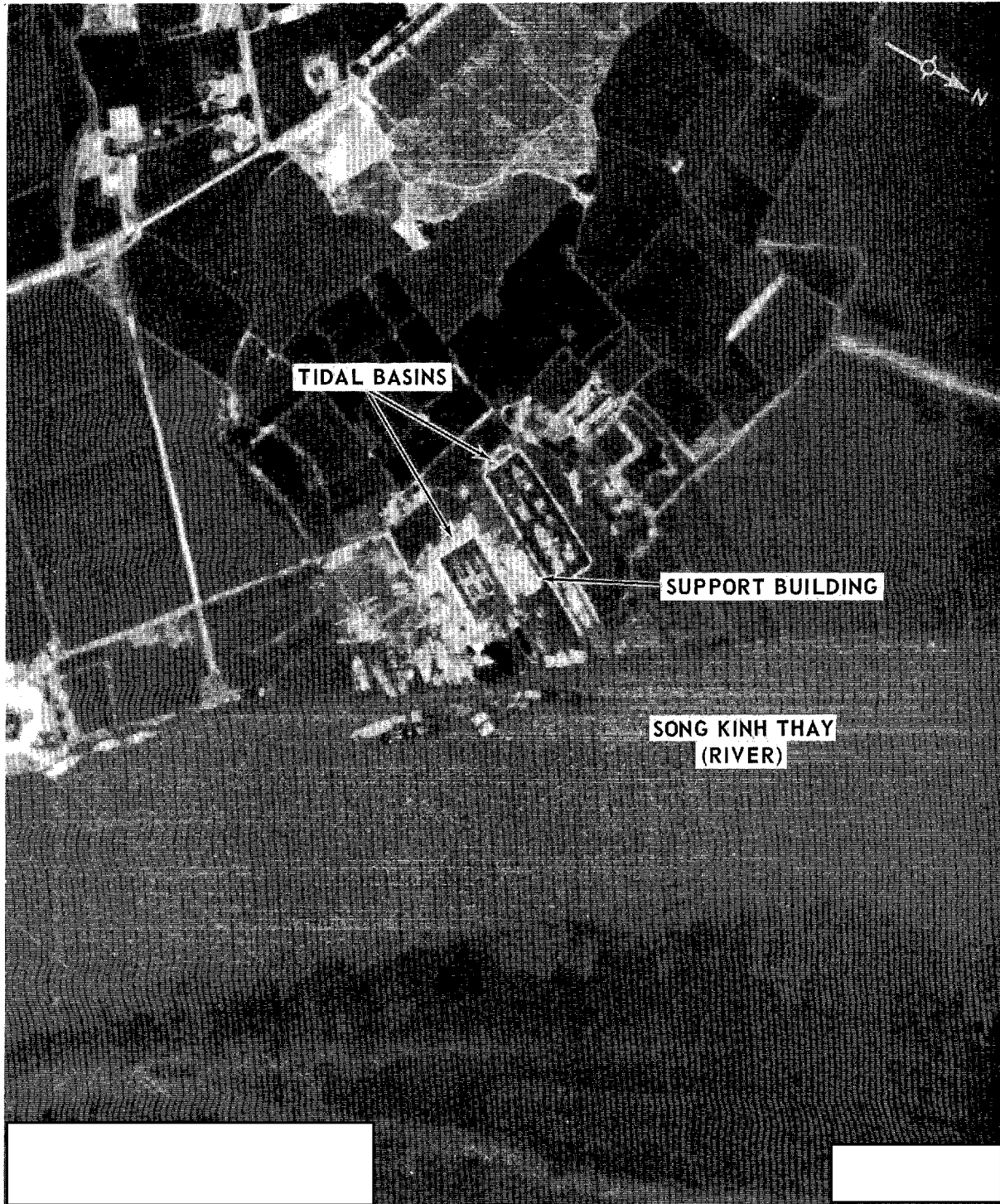
25X1

SECRET

SECRET

NPIC/R-90/67
JANUARY 1968

25X1



YEN CUONG BOAT REPAIR YARD, NORTH VIETNAM

SECRET

25X1

~~SECRET~~

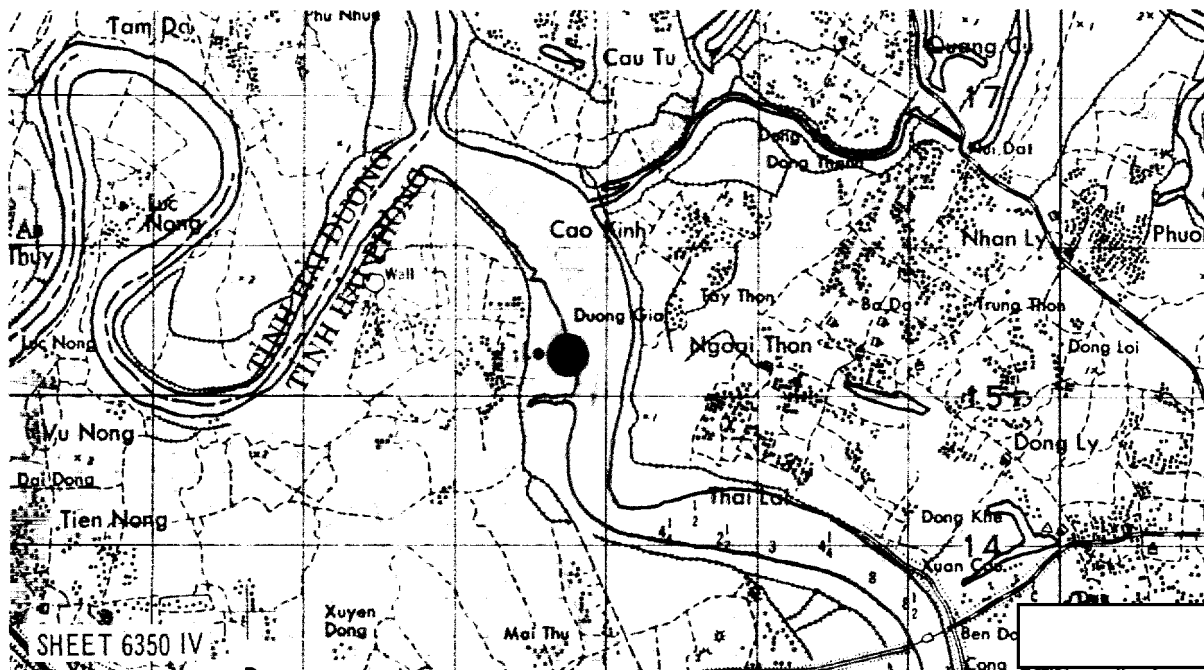
NPIC R-90/67
0015-9
JANUARY 1968

--

--

205552N 1063610E
GEOGRAPHIC COORDINATES

LOCATION: 5.7 NM NW OF HAI PHONG AT DANCETTE ON THE WEST BANK OF THE CUA CAM (RIVER)
DESCRIPTION: BOAT YARD CONSISTS OF A DREDGED CHANNEL TO 2 BASINS CONTAINING POSSIBLE GRIDIRONS AND 2 BUILDING AREAS. FOUR SHOPS/SUPPORT BUILDINGS ARE IN THE FACILITY. SIX RIVER SAMPANS ARE UNDER CONSTRUCTION.



25X1

Page A73
Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

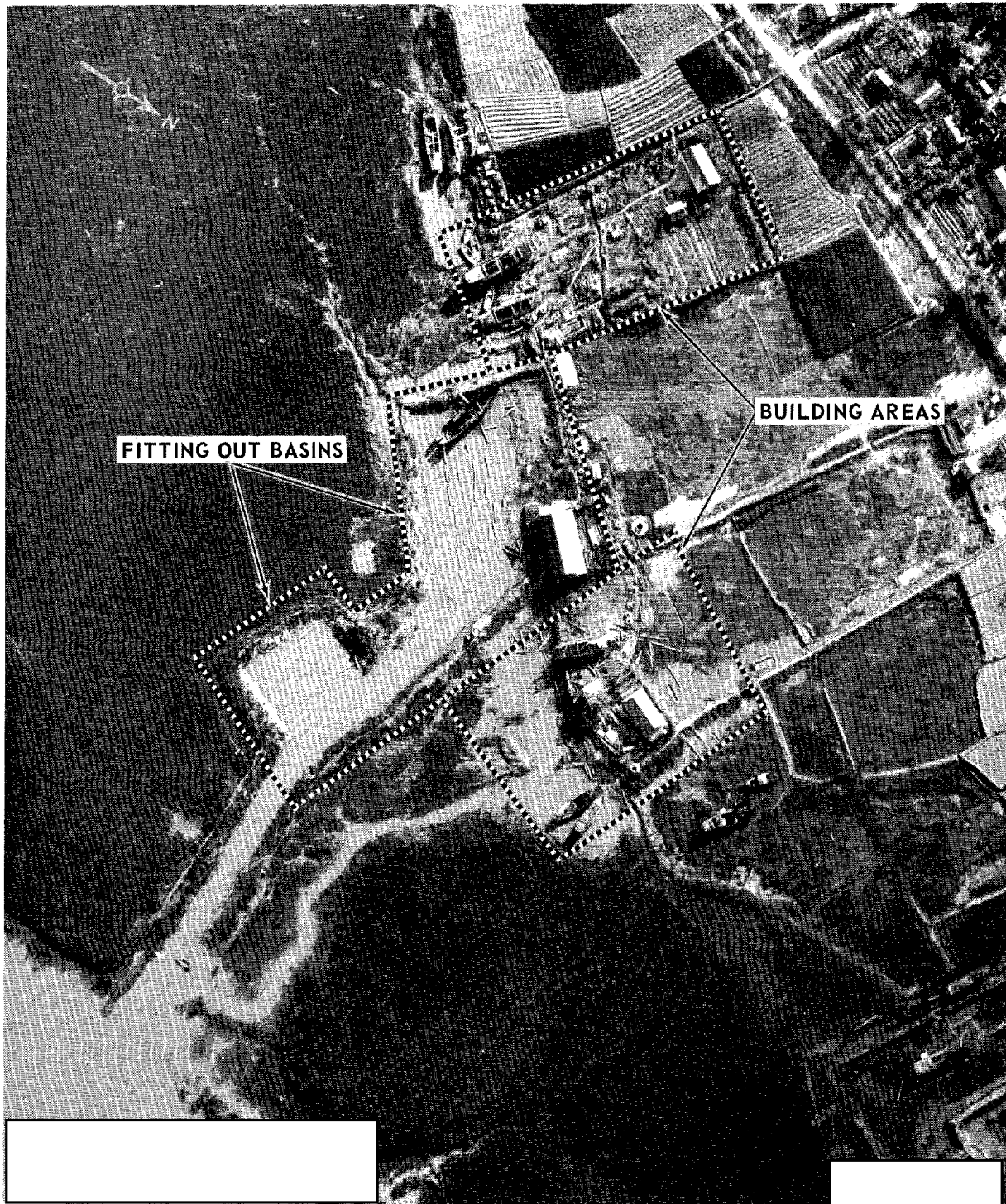
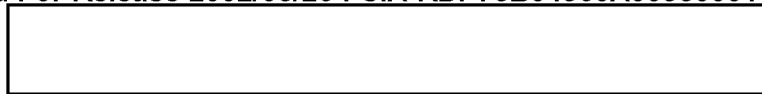
Page A73

SECRET

CONFIDENTIAL

NPIC/R-90/67
JANUARY 1968

25X1



25X1D

25X1

THAI LAI BOAT YARD, NORTH VIETNAM

CONFIDENTIAL



25X1

SECRET

NPIC/R-90/67
JANUARY 1968

25X1

TABLE OF CONTENTS SECTION B PORTS/TRANSSHIPMENT POINTS

<u>Map Key</u>	<u>Installation Name</u>	<u>Effective Page</u>
1	Dap Cau Transshipment Point East, Song Cau	B1, B2 (May 67)
2	Ha Noi Port Facilities	B3, B4 (May 67)
3	Ha Chieu Transshipment Point, Song Da Bach	B5, B6 (Oct 67)
4	Hoanh Ma Transshipment Point	B7, B8 (May 67)
5	Nhu Y Trung Transshipment Point	B9, B10 (May 67)
6	Uong Bi Transshipment Point, Song Thai Khe	B11, B12 (May 67)
7	Port Redon Coastal Transshipment Point	B13, B14 (May 67)
8	Gia Duc Transshipment Point, Song Leo	B15, B16 (May 67)
9	Trang Kinh Transshipment Point, Song Thai	B17, B18 (May 67)
10	Quang Yen Transshipment Point, Song Chanh	B19, B20 (May 67)
11	Hon Gai Port Facilities	B21, B22 (May 67)
12	Pho Cat Ba Coastal Transshipment Point	B23, B24 (May 67)
13	Phu Ly Transshipment Point, Song Day	B25, B26 (May 67)
14	Nam Thon Coastal Transshipment Point	B27, B28 (May 67)
15	Cam Pha Port Facilities	B29, B30 (May 67)
16	Bac Giang Powerplant Wharf	B31, B32 (May 67)
17	Tam Xuan Thuong Transshipment Point	B33, B34 (May 67)
18	Mong Duong Transshipment Point	B35, B36 (May 67)
19	Lang Hung Transshipment Point	B37, B38 (May 67)
20	Tiep Vo Transshipment Point	B39, B40 (May 67)
21	Khe Bo Transshipment Point, Song Ca	B41, B42 (May 67)
22	Phat Lat Transshipment Point	B43, B44 (May 67)
23	Loi Dong Transshipment Point, Cua Cam	B45, B46 (Jan 68)
24	Quang Khe Transshipment Point	B47, B48 (May 67)
25	Linh Hai Transshipment Point	B49, B50 (Oct 67)
26	Hung Yen Transshipment Point	B51, B52 (Oct 67)
27	Xuan Dai Transshipment Point	B53, B54 (Jan 68)
28	Dong Nien Transshipment Point	B55, B56 (Jan 68)
29	Tien Yen Transshipment Point	B57, B58 (Jan 68)

25X1

25X1

SECRET

25X1

SECRET

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

NPIC/R-90/67
JANUARY 1968

CHINA

NORTH VIETNAM

HA NOI

HAI PHONG

LAOS

NORTH VIETNAM

MONG CAI

CAM PHA

25X1

21

22

17

19

20

24

QUANG KHE

25X1

25X1

25

THAILAND

KHORAT

AND

PLATEAU

B-III

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

SECRET

SECRET

NPIC/R-90/67
JANUARY 1968

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

NORTH VIETNAM

CHINA

HA NOI

HAIPHONG

HAI PHONG

HON GAY

NAM DINH

THAI BINH

25X1

25X1

25X1

B-V

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

SECRET

SECRET

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

R-90/67
MAY 1967

25X1

25X1A

XJ147446
UTM COORDINATES

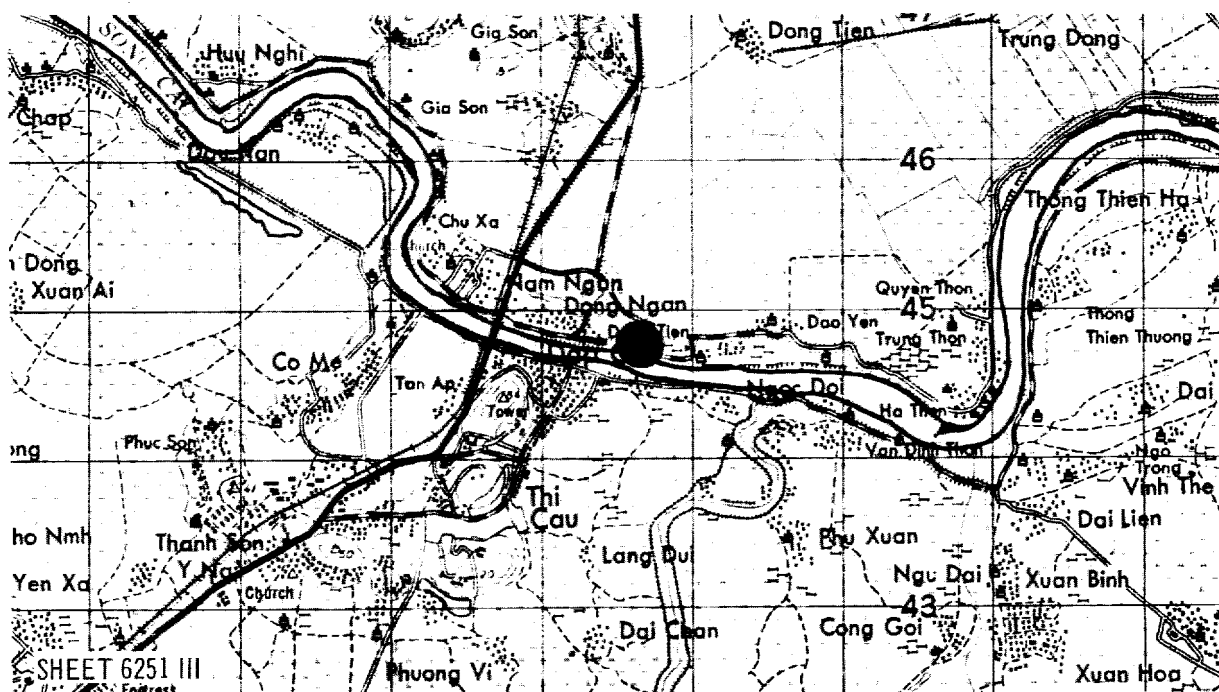
211200N 1060617E
GEOGRAPHIC COORDINATES

NAME: DAP CAU TRANSSHIPMENT POINT EAST, SONG CAU

LOCATION: ON THE SOUTH BANK OF THE SONG CAU (RIVER), 18 NM NE OF HA NOI

DESCRIPTION: FACILITY IS PRIMARILY A COAL PORT WITH FACILITIES TO TRANSSHIP FROM RIVER BARGE TO RAIL. THE PORT CONSISTS OF 3 OPEN STORAGE AREAS FOR COAL AND NUMEROUS PORTABLE CONVEYORS. A RAIL SPUR CONNECTS THE PORT WITH THE HA NOI/PING HSIANG RAIL LINE.

25X1D



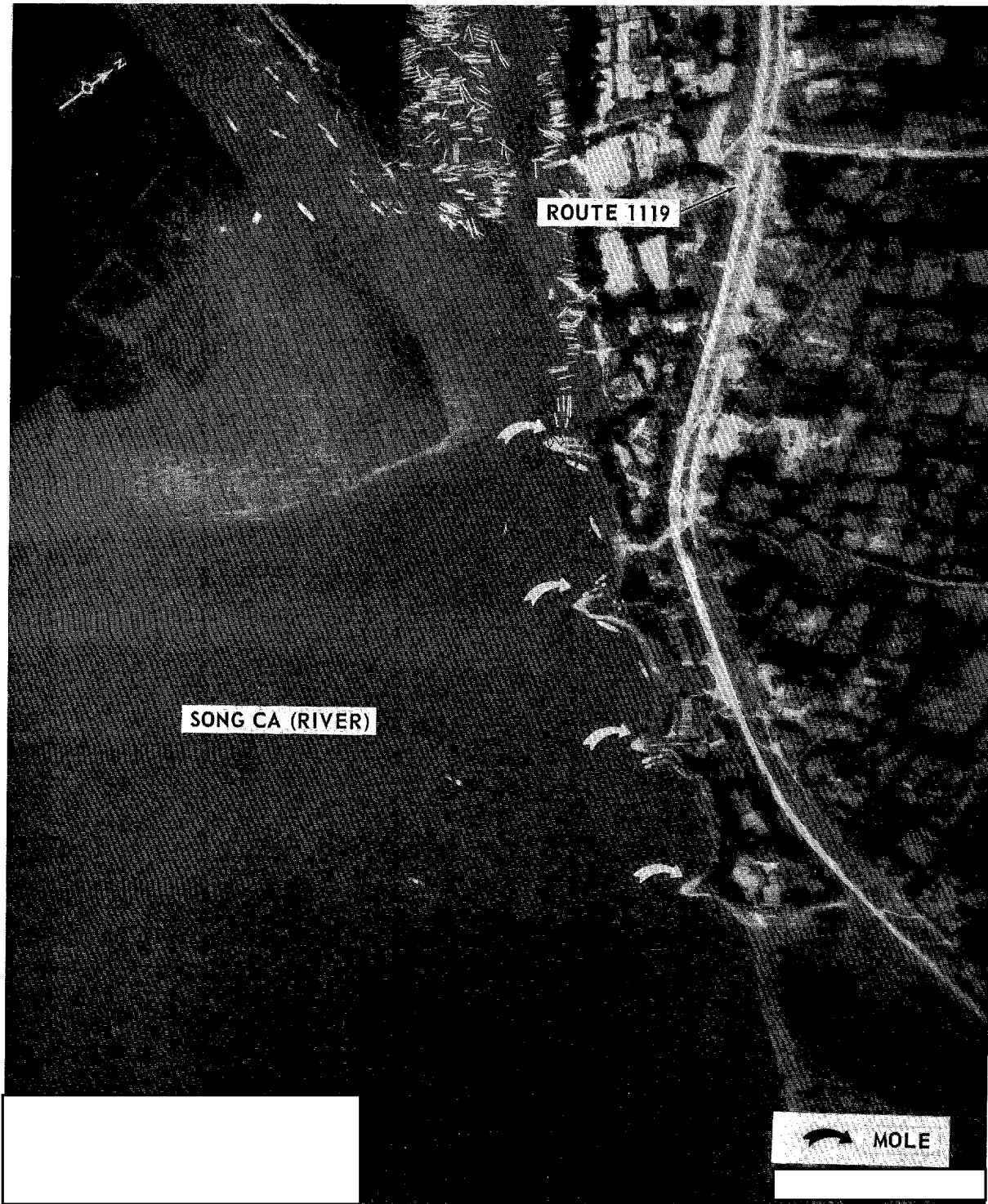
Page B1

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

SECRET

25X1

25X1



25X1D

25X1

PHAT LAT TRANSSHIPMENT POINT ,NORTH VIETNAM

25X1

25X1

CONFIDENTIAL

25X1A

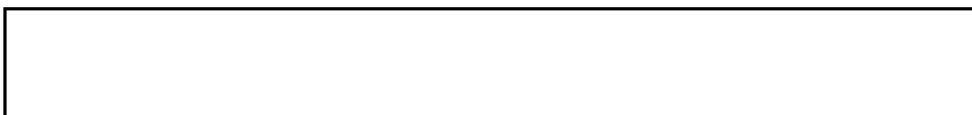
	XJ686103 UTM COORDINATES	205315N 1063718E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: LOI DONG TRANSHIPMENT POINT, CUA CAM

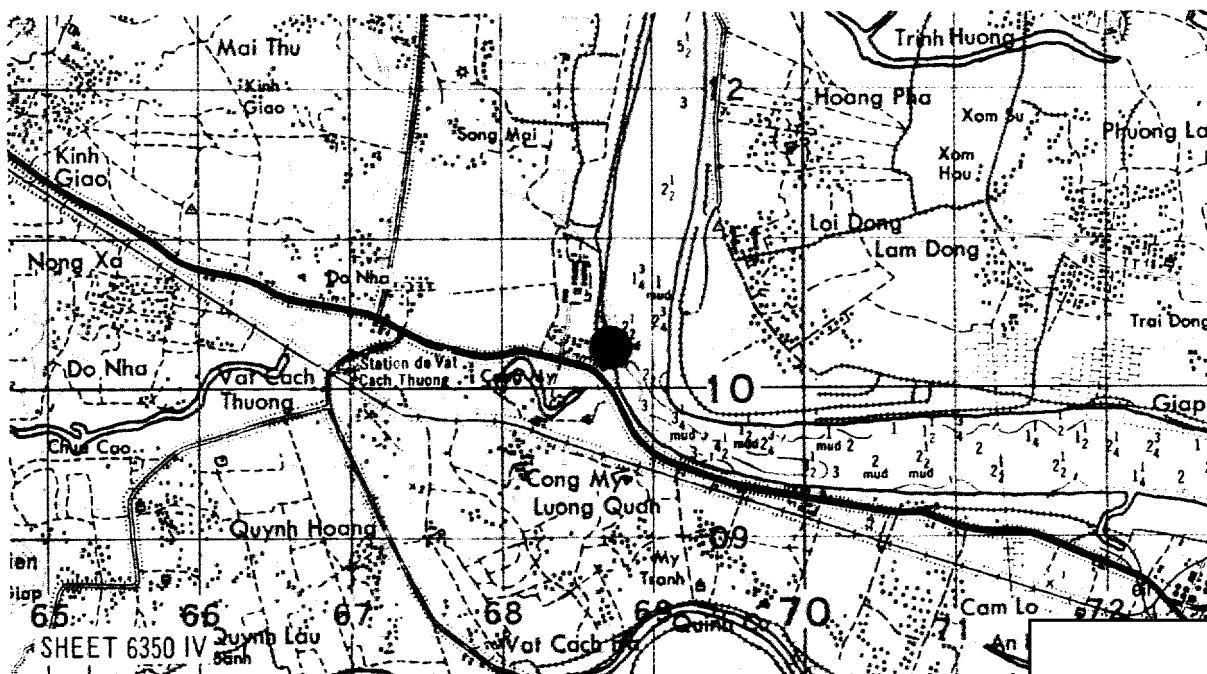
LOCATION: 0.4 NM NNE OF CONG MY, 4 NM NW OF HAI PHONG, ON THE WEST BANK OF THE CUA CAM (RIVER)

DESCRIPTION: RAIL- AND ROAD-SERVED RIVER PORT CONTAINS 6 BREASTING PLATFORMS (4 HEAVILY DAMAGED), A DESTROYED 4-TRACK RAIL YARD, A LARGE, HEAVILY CRATERED COAL STORAGE AREA, 2 DESTROYED RAIL SPURS, AND A VERY HEAVILY DAMAGED CONVEYER SYSTEM FROM THE NORTHERNMOST BREASTING PLATFORM. NO ACTIVITY OBSERVED. AREA APPEARS ABANDONED.

25X1D



MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)



25X1

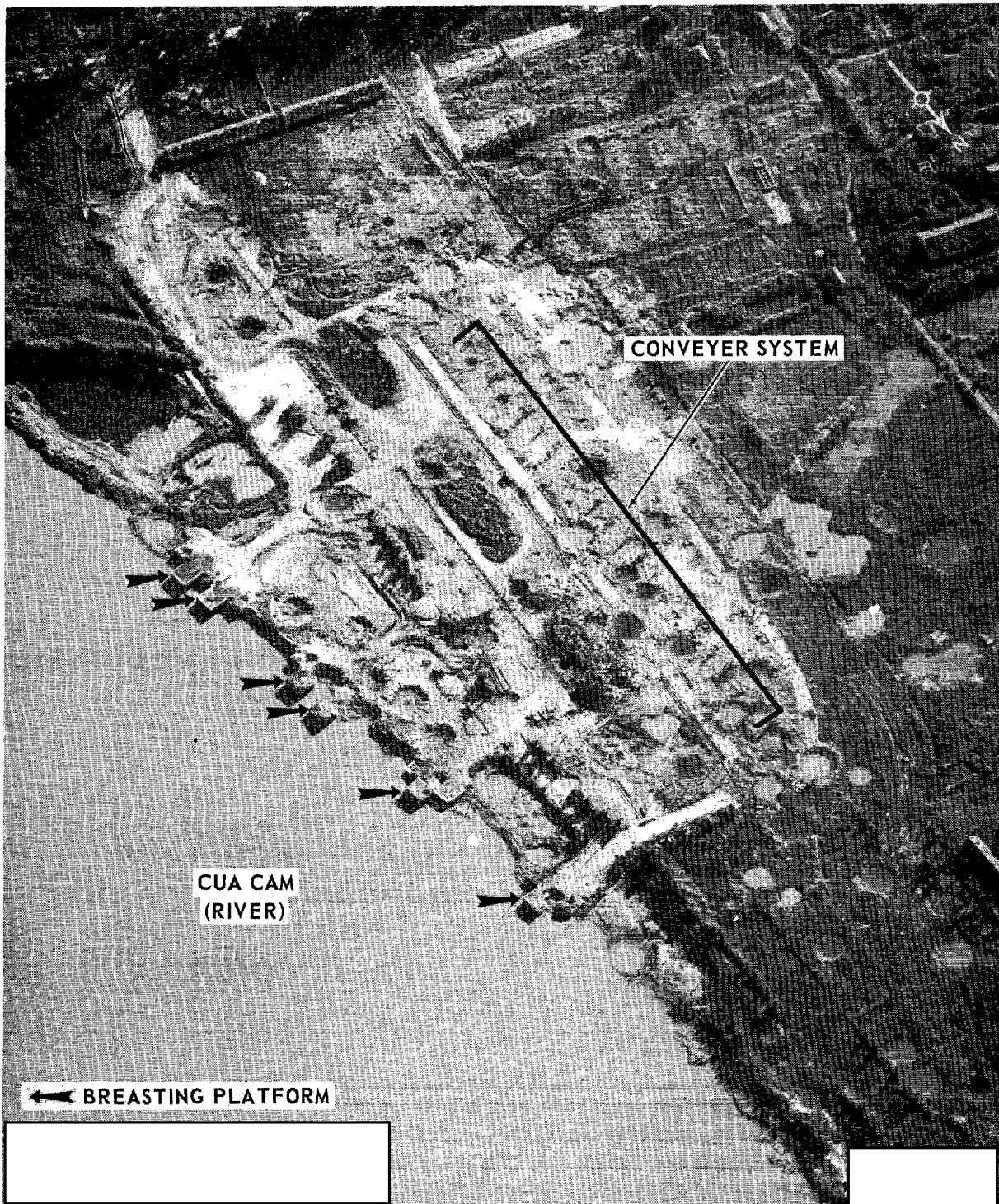
25X1

CONFIDENTIAL

~~CONFIDENTIAL~~

NPIC R-90/67
JANUARY 1968

25X1



25X1D



25X1



LOI DONG TRANSSHIPMENT POINT, CUA CAM, NORTH VIETNAM

25X1

~~CONFIDENTIAL~~



~~CONFIDENTIAL~~

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

R-90/67
MAY 1967

25X1

25X1A

	XE573576 UTM COORDINATES	174200N 1062800E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: QUANG KHE TRANSSHIPMENT POINT

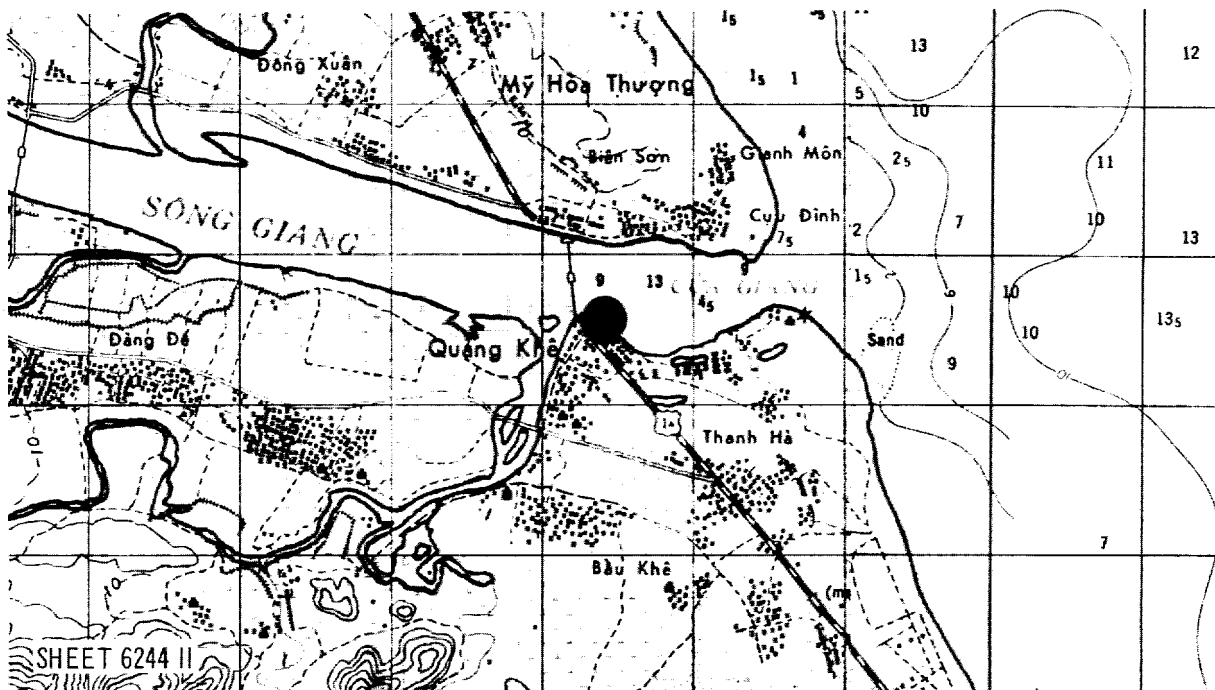
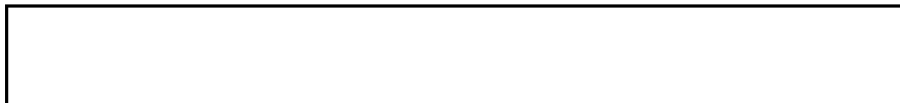
LOCATION: ON THE SOUTH BANK OF THE SONG GIANG (RIVER)

DESCRIPTION: POINT CONSISTS OF THE FORMER T-HEAD PIER AND A SMALLER PIER IN THE VICINITY OF THE SOUTHERN LANDING OF QUANG KHE FERRY. PHOTOGRAPHY REVEALS 4 SL-1 CARGO VESSELS, 4 COASTING BARGES, AND NUMEROUS RIVER CRAFT ENGAGED IN TRANSSHIPMENT ACTIVITY.

25X1A

25X1A
25X1D

25X1D



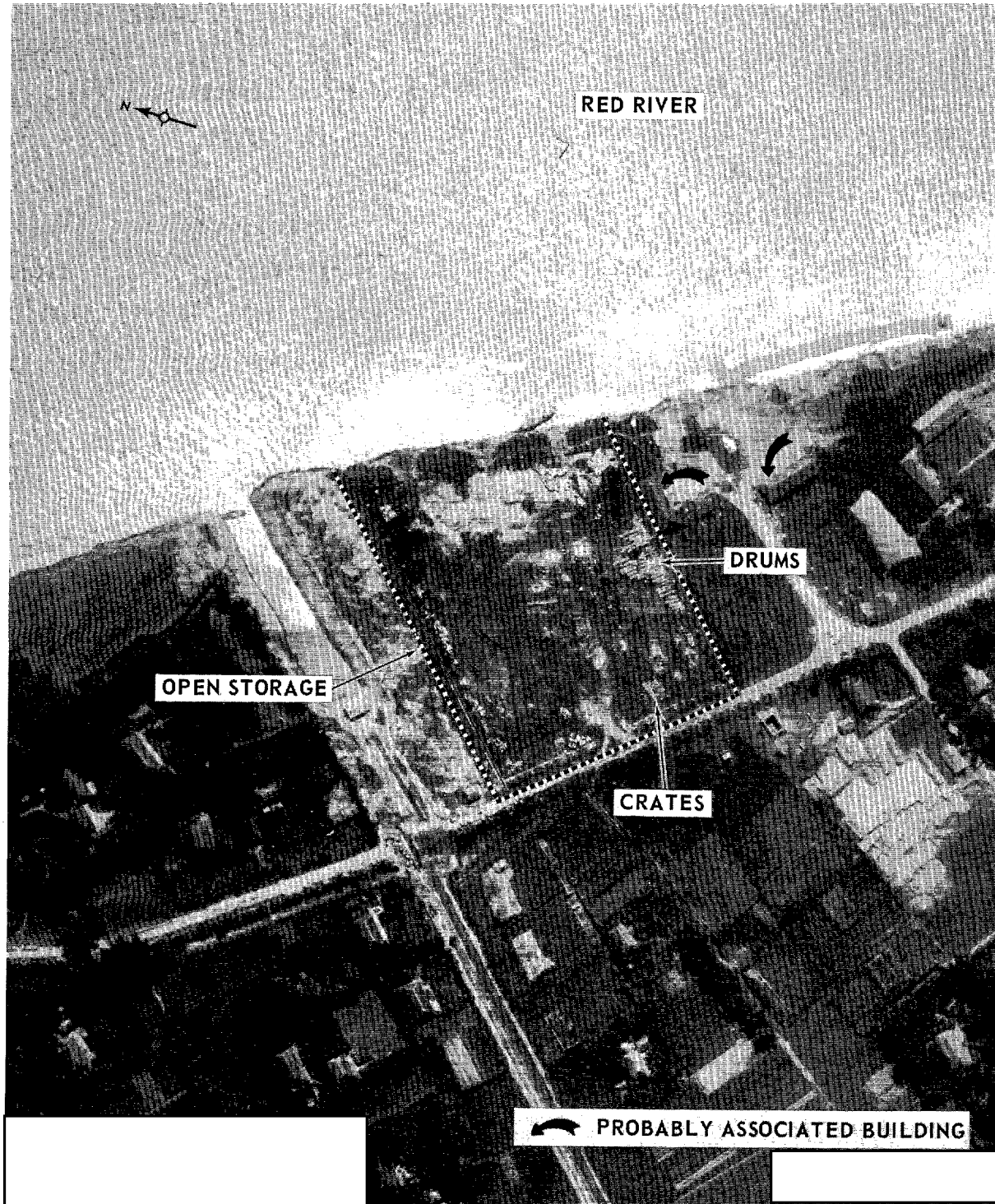
25X1

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

~~CONFIDENTIAL~~



25X1



25X1D

25X1

HUNG YEN TRANSSHIPMENT POINT, NORTH VIETNAM

25X1

CONFIDENTIAL

BE NUMBER

XJ340180
UTM COORDINATES

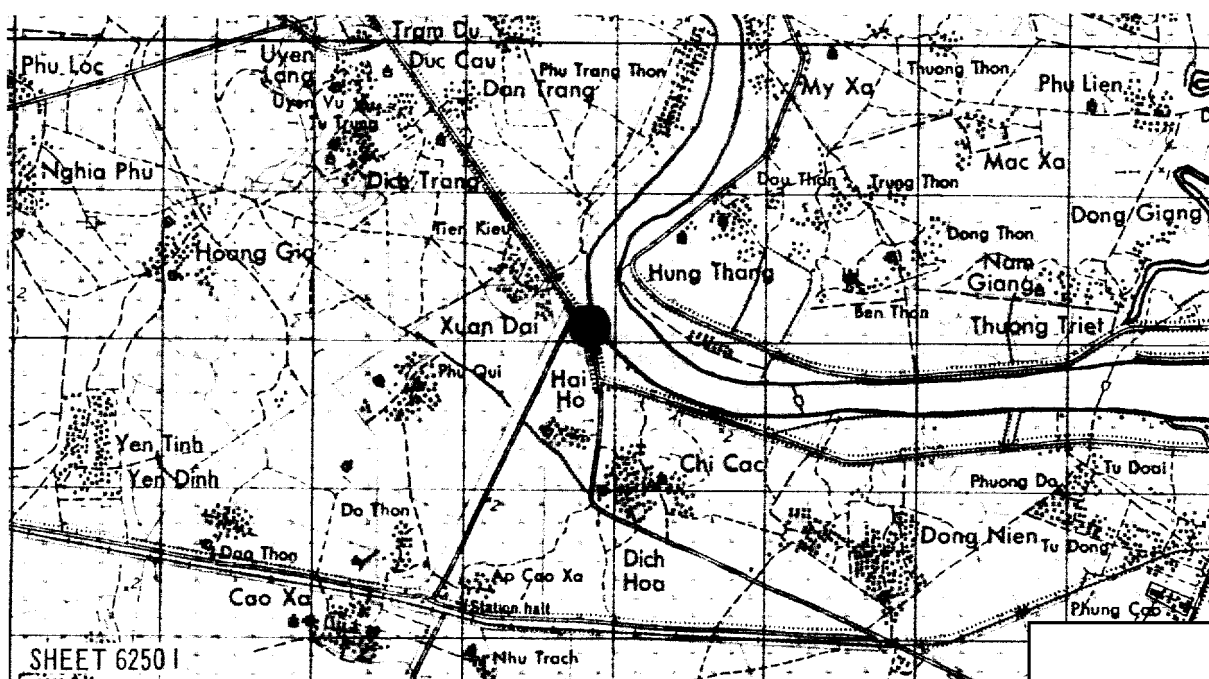
205730N 1061720E
GEOGRAPHIC COORDINATES

NAME: XUAN DAI TRANSSHIPMENT POINT

LOCATION: 2.9 NM NW OF HAI DUONG, ON THE SW BANK OF THE SONG THAI BINH (RIVER)

DESCRIPTION: SITE CONSISTS OF A LARGE RAIL- AND ROAD-SERVED COAL STORAGE AREA. AT LEAST 5 CONVEYERS ARE USED IN LOADING/OFFLOADING, AND SEVERAL MORE ARE WITHIN THE STORAGE AREA. TWENTY GONDOLA/HOPPER CARS ARE WITHIN THE STORAGE AREA. FIVE CARGO BARGES ARE BEING LOADED/OFFLOADED.

MAP REFERENCES: AMS SERIES L7014, SHEET 6250-1, 1ST ED, 1965 (U)

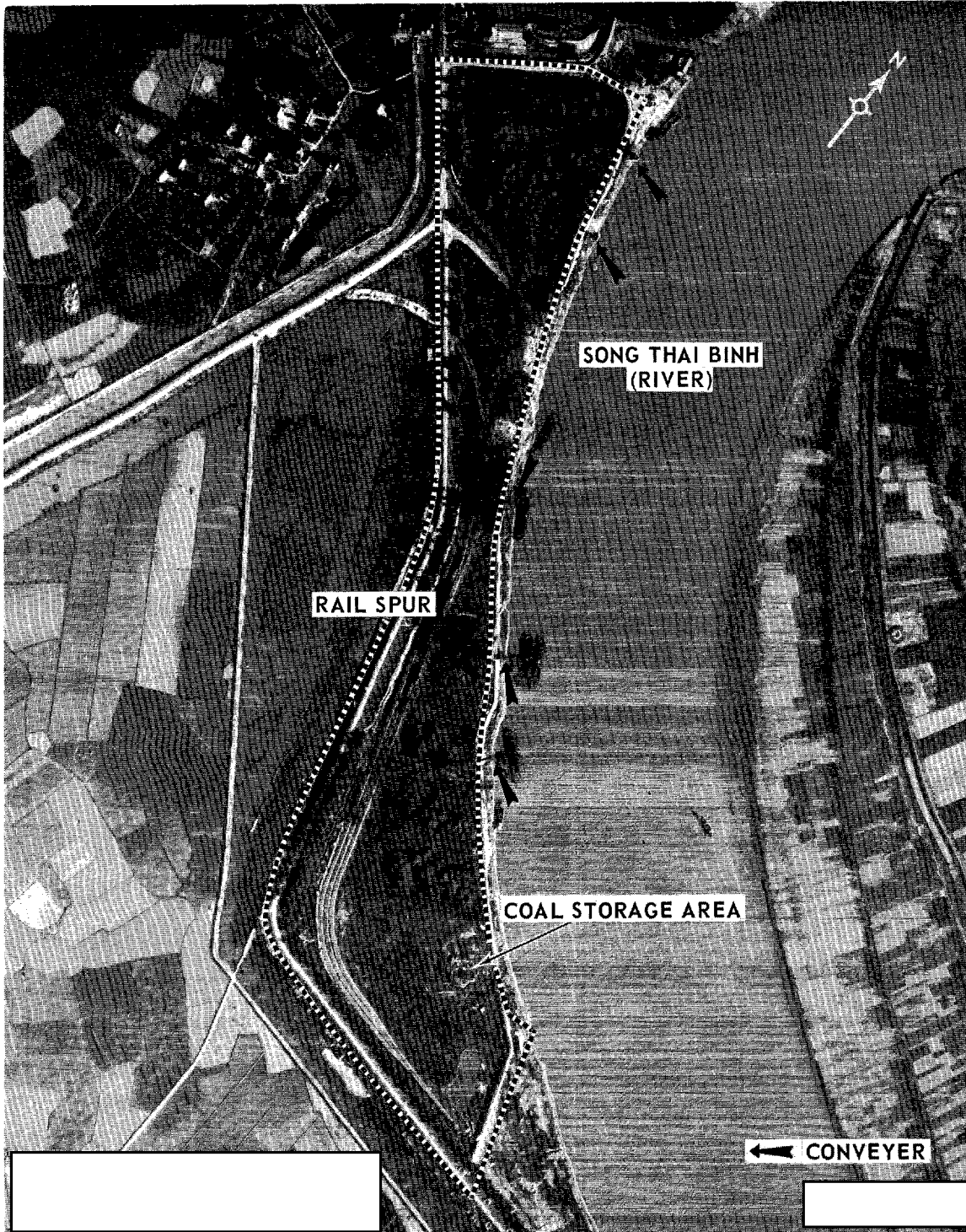


CONFIDENTIAL

CONFIDENTIAL

NPIC, R-90/67
JANUARY 1968

Approved For Release 2002/08/20 : CIA-RDP78B04560A005800010015-9



XUAN DAI TRANSSHIPMENT POINT, NORTH VIETNAM

CONFIDENTIAL

Approved For Release 2002/08/20 : CIA-RDP78B04560A005800010015-9



CONFIDENTIAL

NPIC R-90/67
15 MAY 1968

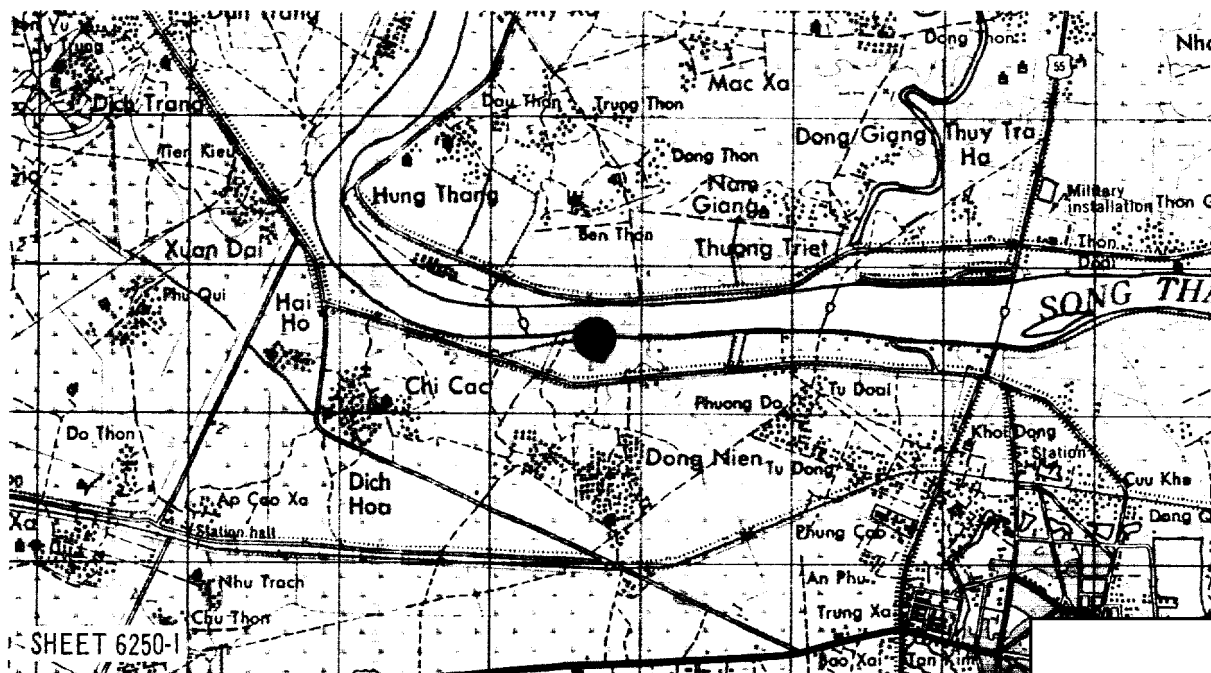
BE NUMBER XJ356177 205718N 1061815E
UTM COORDINATES GEOGRAPHIC COORDINATES

NAME: DONG NIEN TRANSSHIPMENT POINT

LOCATION: 2.1 NM NW OF HAI DUONG, ON THE SOUTH BANK OF THE SONG THAI BINH (RIVER)

DESCRIPTION: ROAD-SERVED SITE CONSISTS OF A TRANSSHIPMENT AREA AND A SMALL COAL STORAGE AREA. TEN SMALL CARTS ARE WITHIN THE TRANSSHIPMENT AREA AND SEVERAL MORE ARE ON THE ACCESS ROAD. NINE BARGES AND 14 SAMPANS ARE MOORED AGAINST THE BANK.

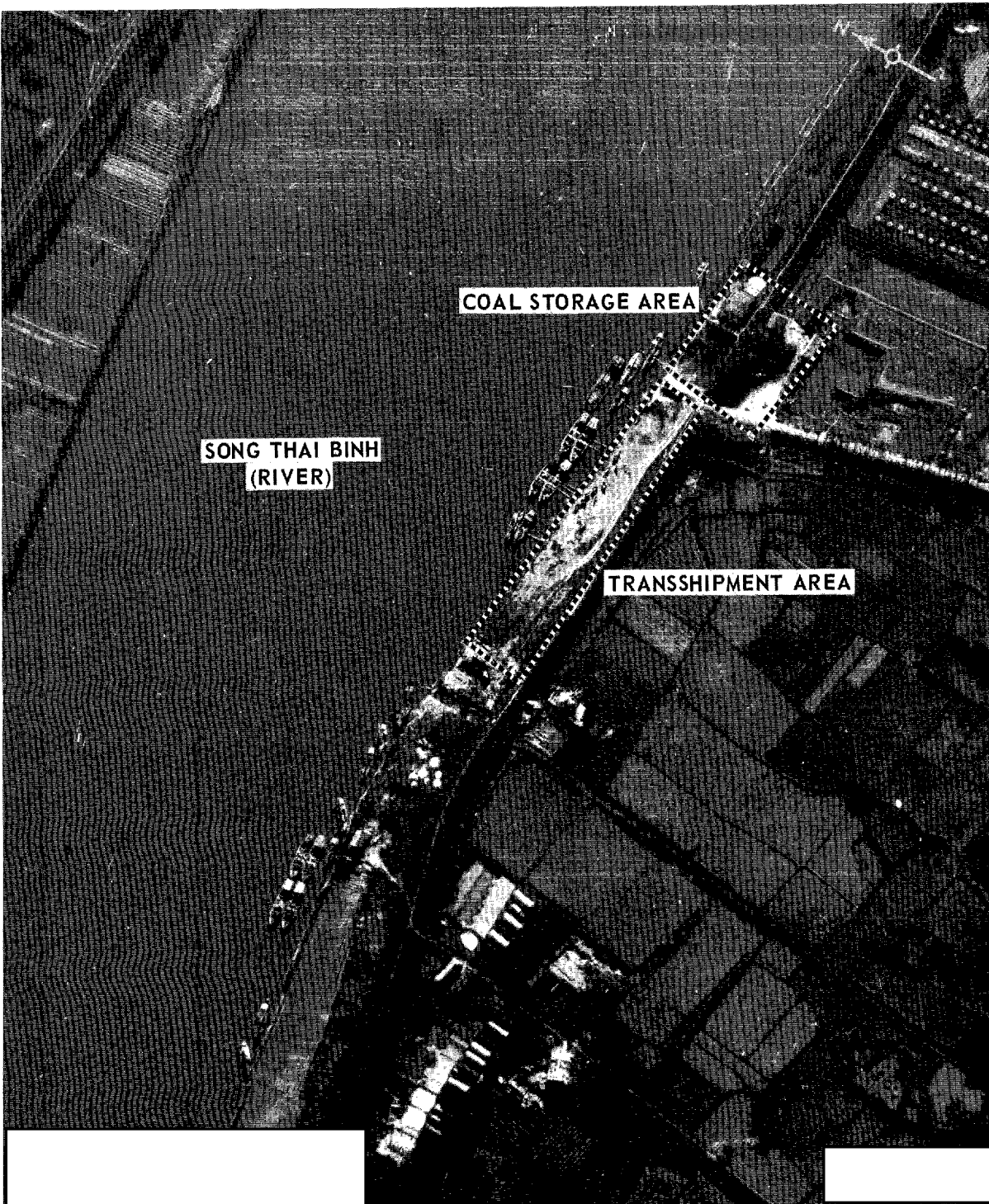
MAP REFERENCES: AMS SERIES L7014, SHEET 6250-1, 1ST ED, 1965 (U)



Page B55

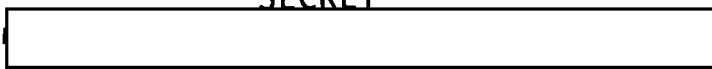
CONFIDENTIAL

SECRET



DONG NIEN TRANSSHIPMENT POINT, NORTH VIETNAM

SECRET



BE NUMBER

YJ489599
UTM COORDINATES

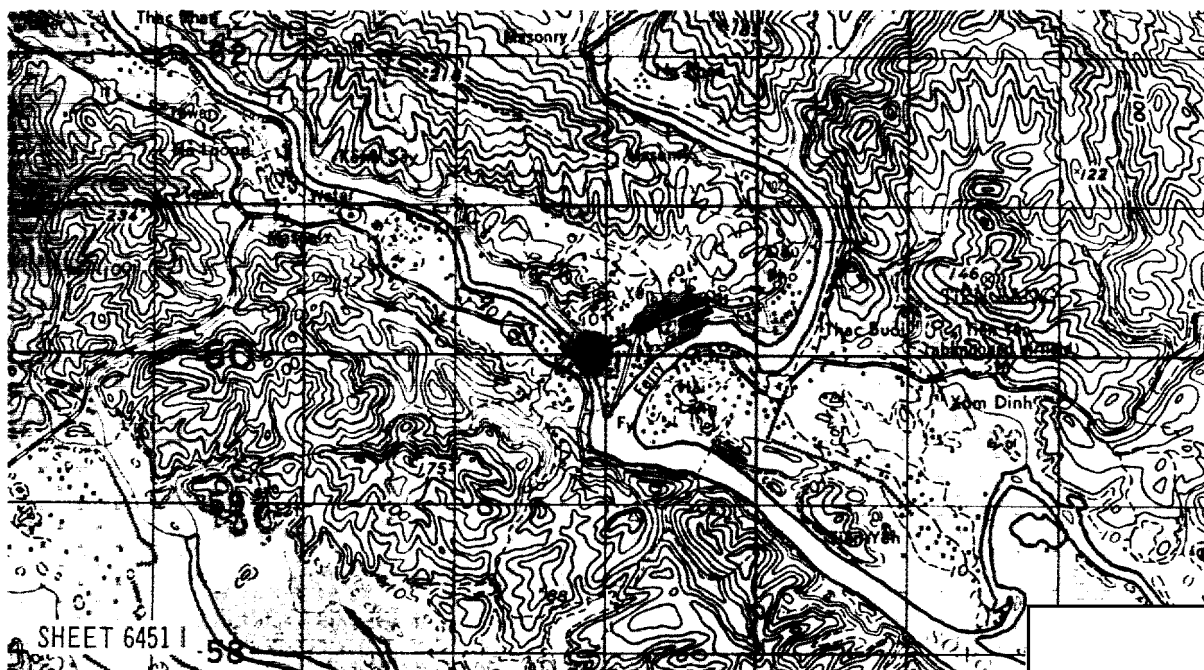
211935N 1072400E
GEOGRAPHIC COORDINATES

NAME: TIEN YEN TRANSSHIPMENT POINT

LOCATION: EAST BANK OF SONG PHO CU (RIVER), 0.3 NM WEST OF TIEN YEN.

DESCRIPTION: ROAD-SERVED FACILITY CONSISTS OF A QUAY AND APPROXIMATELY 5 POSSIBLY ASSOCIATED BUILDINGS. THREE SAMPANS ARE ADJACENT TO THE QUAY.

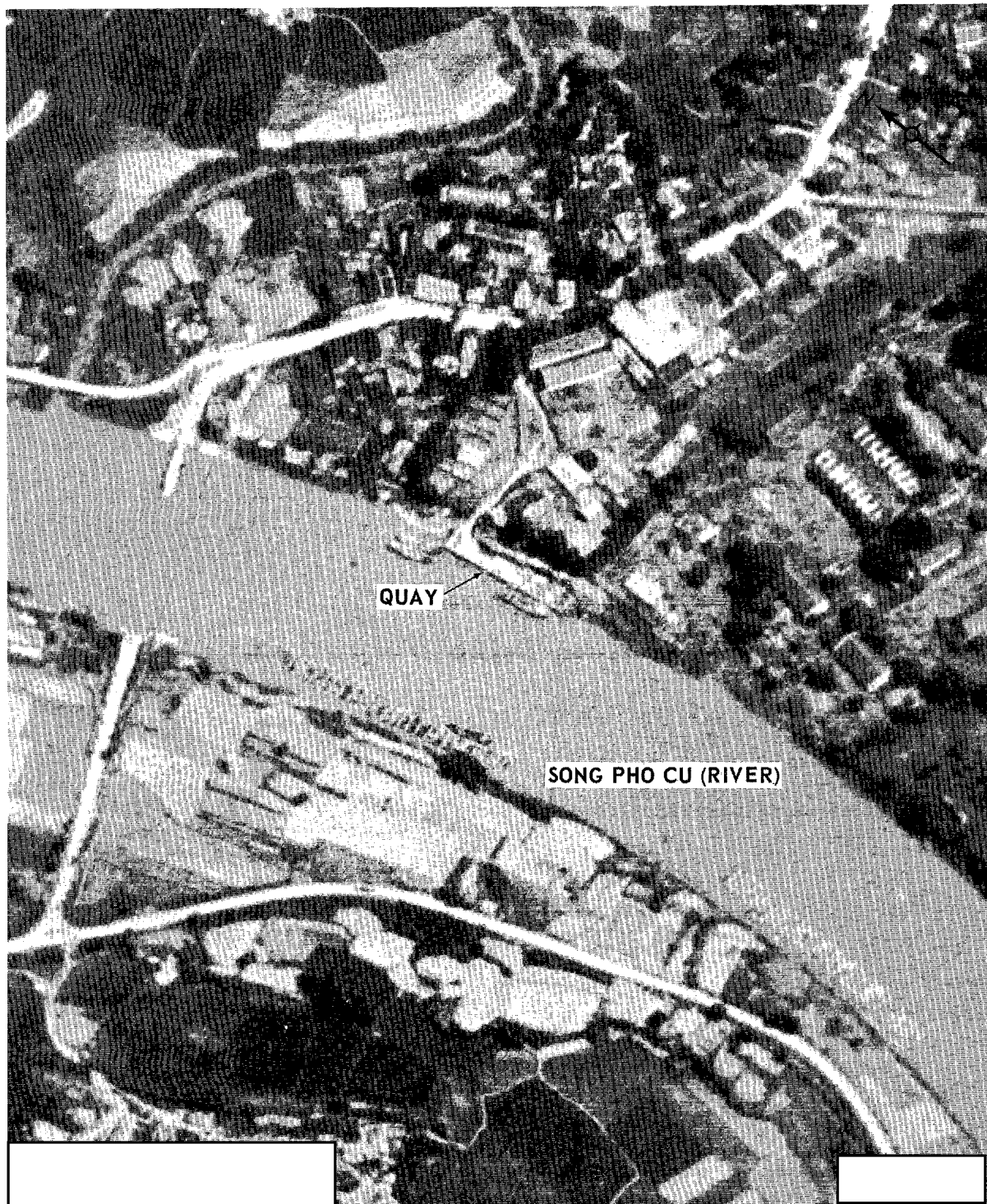
MAP REFERENCES: AMS SERIES L7014, SHEET 6451-I, 1ST ED, 1965 (U)



25X1

SECRET

NPIC/R-90/67
11 MAY 1968



25X1D

25X1

TIEN YEN TRANSSHIPMENT POINT, NORTH VIETNAM

25X1

SECRET

SECRET

NPIC/R-90/67
JANUARY 1968

TABLE OF CONTENTS SECTION C
HAI PHONG PORT AREA

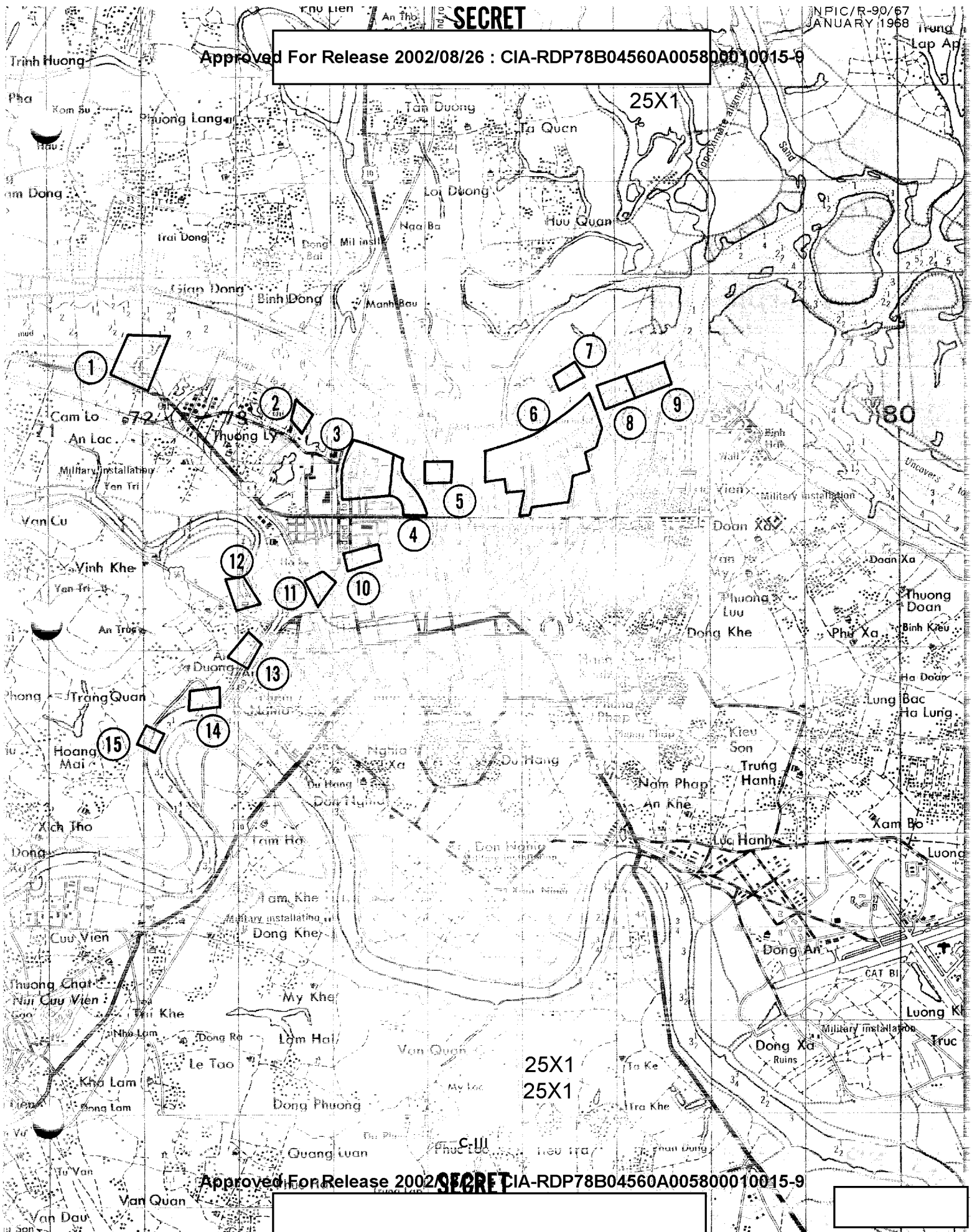
<u>Map Key</u>	<u>Installation Name</u>	<u>Effective Page</u>
1	Cam Lo Transshipment Point	C1, C2 (May 67)
2	Thuong Ly Boat Repair Yard	C3, C4 (Jan 68)
3	Hai Phong Shipyard No. 4 Dancette	C5, C6 (Jan 68)
4	Hai Phong Naval Base	C7, C8 (May 67)
5	Hospital Wharf, Hai Phong	C9, C10 (May 67)
6	Chamber of Commerce Wharves, Hai Phong	C11, C12, C12a (May 67)
7	Hai Phong Shipyard North	C13, C14 (May 67)
8	Hai Phong Coal and Ice Plant Wharves	C15, C16 (May 67)
9	Hai Phong Ship Repair Yard No. 1	C17, C18 (May 67)
10	Hai Phong Ship Repair Yard No. 3 Sauvage	C19, C20 (May 67)
11	Hai Phong Ship Repair Yard No. 2 Sacric	C21, C22 (Jan 68)
12	Hai Phong Shipyard West	C23, C24 (Jan 68)
13	Hai Phong Shipyard Vinh Khe	C25, C26 (May 67)
14	Hai Phong Shipyard, Lach Tray	C27, C28 (Jan 68)
15	Hai Phong Shipyard, Lach Tray South	C29, C30 (Jan 68)

SECRET

SECRET

NPIC/R-90/67
JANUARY 1968

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9



Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

SECRET

25X1

HAI PHONG PORT AREA

Hai Phong is the largest port in North Vietnam, second in population only to Ha Noi, and is important because of its concentration of light industry, warehouses, and transshipment facilities. Most of the North Vietnamese naval vessels are also located in Hai Phong.

The port facilities consist of over 4,200 feet of wharfage accommodating large-hatch, foreign vessels of up to 510 feet in length, several million square feet of warehouse storage, and at least 644,000 square feet of open storage area.

Hai Phong is linked to the rest of North Vietnam by a single-track rail line to Ha Noi, an extensive network of all-weather roads to all parts of north central North Vietnam, and waterway connections with the inland waterways to the southern, eastern, and north central parts of the country.

Two large anchorage areas serve the Hai Phong Port Facilities. One, known as Hai Phong Quarantine Anchorage, is an approximately 4.2-nm stretch of the Cua Nam Trieu (channel) centered at 20-49-36N 106-49-08E (UTM XJ892038). This anchorage accommodates the merchant vessels awaiting berths at Hai Phong Port Facilities. The other anchorage consists of an approximately 1.8-nm section of the lower part of the Song Bach Dang (river) centered at 21-50-40N 106-45-52E (XJ835075). It is a tanker anchorage where [] the majority of the large POL tankers have discharged their cargo to waiting POL barges.

Shipbuilding and major repair facilities are limited to serving small coastal vessels and the barges and other river craft seen throughout the Hai Phong area. Shipbuilding and/or repair yards range in size from Hai Phong Shipyard No. 4 Dancette (Page C5), where large coastal vessels can be built on the [] marine railways, to the small basin at Vinh Khe (Page C25), where only small river craft and ferry boats can be constructed.

Silting is a major problem throughout this area of North Vietnam; all the navigable waterways near Hai Phong must be kept dredged. An alongside depth of at least thirty feet, at high tide, must be maintained to enable a fully loaded Potava-class (large-hatch, dry cargo) freighter to berth at the Chamber of Commerce Wharves. North Vietnam has several large bucket dredges and numerous Soviet ZRS-1 suction dredges stationed in the area to keep the waterways cleared.

25X1D

25X1D

25X1D

25X1

SECRET

NPTC/R 90/67
JANUARY 1968

HAI PHONG PORT AREA

1. Cam Lo Transshipment Point
2. Thuong Ly Boat Repair Yard
3. Hai Phong Shipyard No. 4 Dancette
4. Hai Phong Naval Base
5. Hospital Wharf, Hai Phong
6. Chamber of Commerce Wharves, Hai Phong
7. Hai Phong Shipyard North
8. Hai Phong Coal and Ice Plant Wharves
9. Hai Phong Ship Repair Yard No. 1
10. Hai Phong Ship Repair Yard No. 3 Storage
11. Hai Phong Ship Repair Yard No. 2 Sacrie
12. Hai Phong Shipyard West
13. Hai Phong Shipyard Vinh Khe
14. Hai Phong Shipyard, Lach Tray
15. Hai Phong Shipyard, Lach Tray South
(not shown in photo mosaic)



25X1D

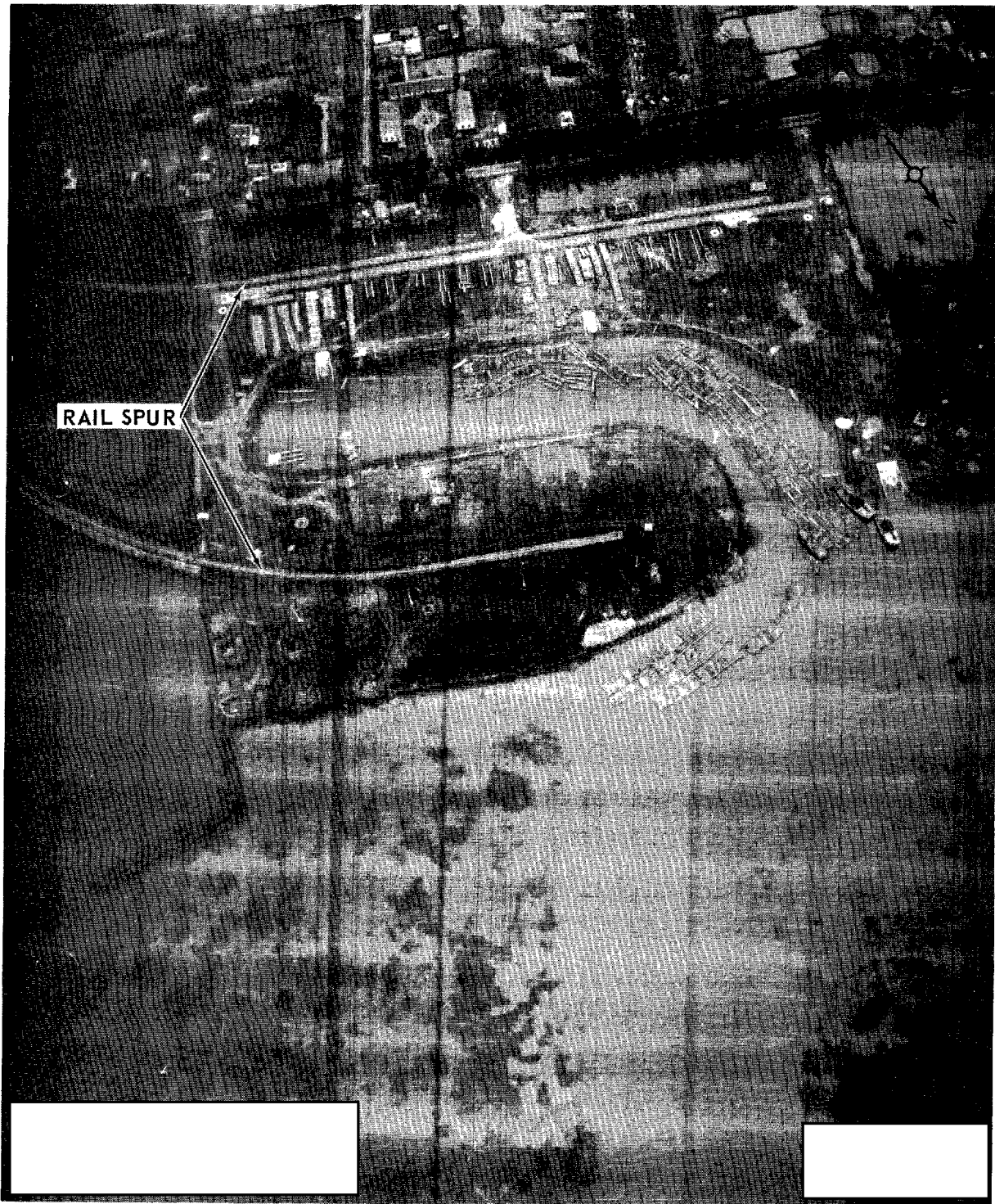
SECRET

25X1

SECRET

NDIC/R-90/67
MAY 1967

25X1



RAIL SPUR

25X1D

25X1

CAM LO TRANSHIPMENT POINT, NORTH VIETNAM

Page C2

SECRET

25X1

25X1




25X1A

	XJ737085 UTM COORDINATES	205212N 1064010E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: THUONG LY BOAT REPAIR YARD

LOCATION: ON THE SOUTH BANK OF THE CUA CAM (RIVER)

DESCRIPTION: SMALL YARD CONTAINS A  GRAVING DOCK, WHICH SUSTAINED MODERATE DAMAGE BUT STILL APPEARS SERVICEABLE, AND 6 SMALL PROBABLE SHOPS (5 DESTROYED AND 1 HEAVILY DAMAGED). SIX DAMAGED/DESTROYED BARGES ARE IN THE AREA.

25X1D

25X1D



MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)

25X1



SECRET

NPIC R-90/67
JANUARY 1968

25X1



25X1D

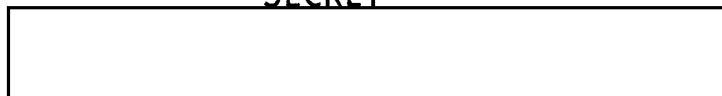
25X1

THUONG LY BOAT REPAIR YARD, NORTH VIETNAM

Page C4

SECRET

25X1



25X1



25X1A

	XJ743081 UTM COORDINATES	205154N 1064038E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: HAI PHONG SHIPYARD NO. 4 DANCETTE

LOCATION: ON THE SOUTH BANK OF THE CUA CAM (RIVER)

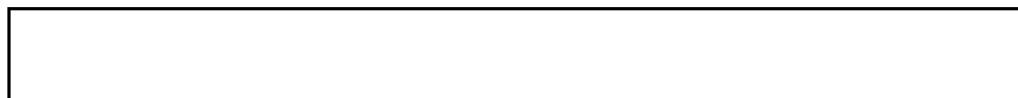
DESCRIPTION: THIS FACILITY, THE LARGEST SHIPBUILDING/REPAIR INSTALLATION IN NORTH VIETNAM, CONSISTS OF 2 MARINE RAILWAYS MEASURING (FROM WEST TO EAST)

25X1D
25X1

[REDACTED] 2 BUILDING WAYS [REDACTED] GRAVING DOCK; A [REDACTED] L-HEAD PIER; A PORTAL CRANE; AND 10 SUPPORT BUILDINGS. THE YARD CAN BUILD VESSELS UP TO 2,000 GRT. PHOTOGRAPHY [REDACTED] REVEALS 1 SWATOW PGM (STRIPPED), 1 LCM, 1 LARGE MOTORIZED BARGE UNDER CONSTRUCTION, 2 SMALL DUMB BARGES UNDER CONSTRUCTION, 1 POL BARGE, 1 MOTORIZED JUNK UNDER CONSTRUCTION, 1 SMALL UNIDENTIFIED CRAFT UNDER CONSTRUCTION, AND 9 OTHER SMALL CRAFT IN THE AREA.

25X1D
25X1D
25X1D

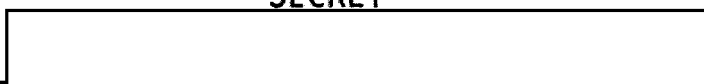
25X1D



MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)

25X1

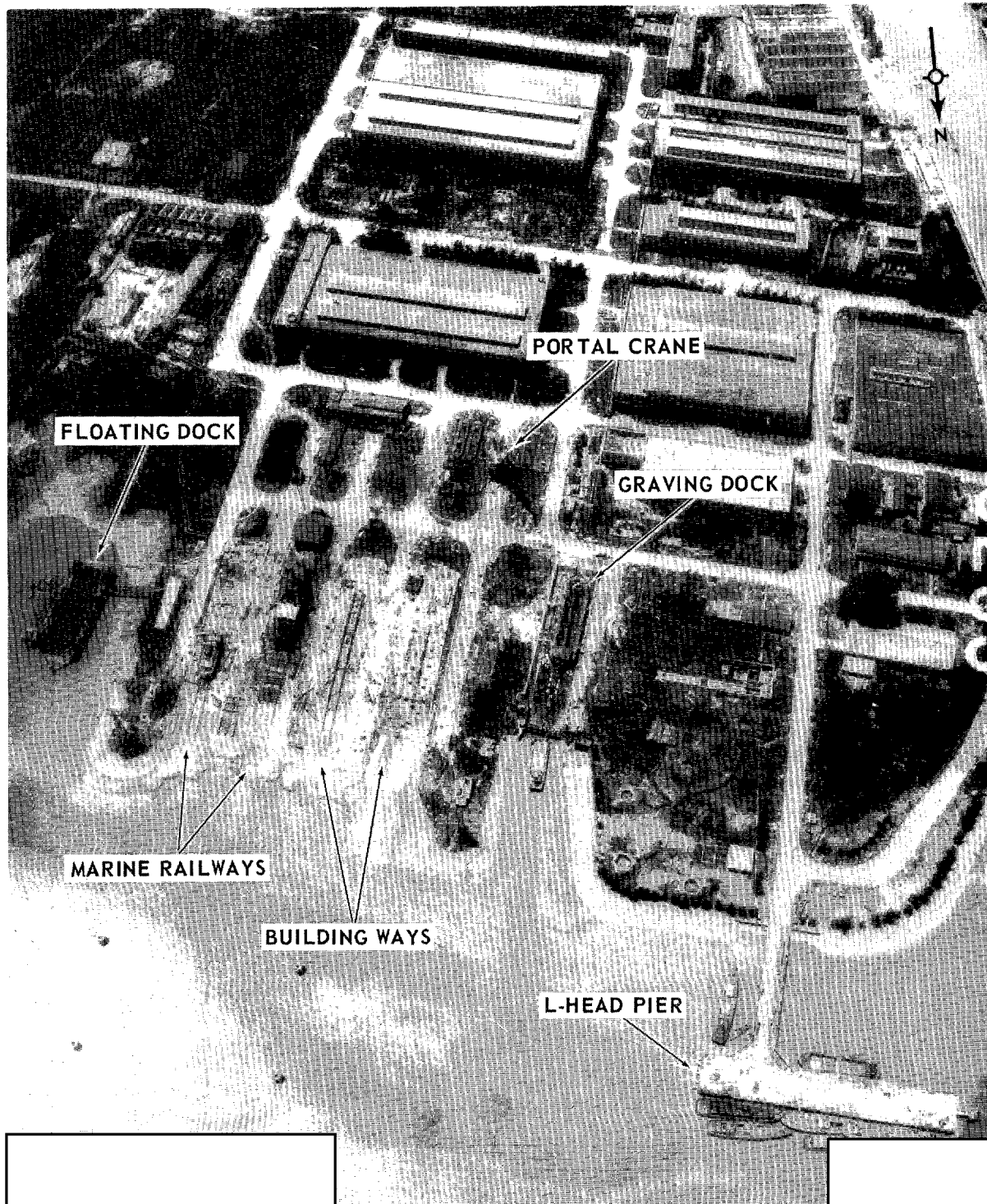
Page C5
SECRET



CONFIDENTIAL

NPIC/R-90/67
JULY 1968

25X1



25X1D

25X1

HAI PHONG SHIPYARD NO. 4 DANCETTE, NORTH VIETNAM

CONFIDENTIAL



25X1

~~CONFIDENTIAL~~

R-90/67
MAY 1967

25X1






25X1A

	XJ749078 UTM COORDINATES	205150N 1064051E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: HAI PHONG NAVAL BASE

LOCATION: AT THE CONFLUENCE OF THE SONG TRAM BAC AND CUA CAM (RIVERS)

DESCRIPTION: FACILITY CONSISTS OF ONE  GRAVING DOCK WITH  EXTENSION, 3 SMALL MARINE RAILWAYS, 1 DAMAGED FINGER PIER AND 1 T-HEAD PIER (NOT SHOWN), A 240-FT WHARF, 1 LARGE ADMINISTRATION BUILDING, AND NUMEROUS SHOPS AND SUPPORT BUILDINGS (SOME NOT SHOWN). PHOTOGRAPHY  REVEALS 1 S.O.1-CLASS SC (NOT SHOWN), 1 P-4-CLASS PT, 3 SWATOW-CLASS PGM, AND NUMEROUS SMALL CRAFT AT THE BASE, AND 1 SWATOW-CLASS PGM AND 4 POL BARGES NEAR THE MOUTH OF THE SONG TRAM BAC (RIVER).

25X1D

25X1D

25X1D

25X1D



25X1

Page C7

~~CONFIDENTIAL~~

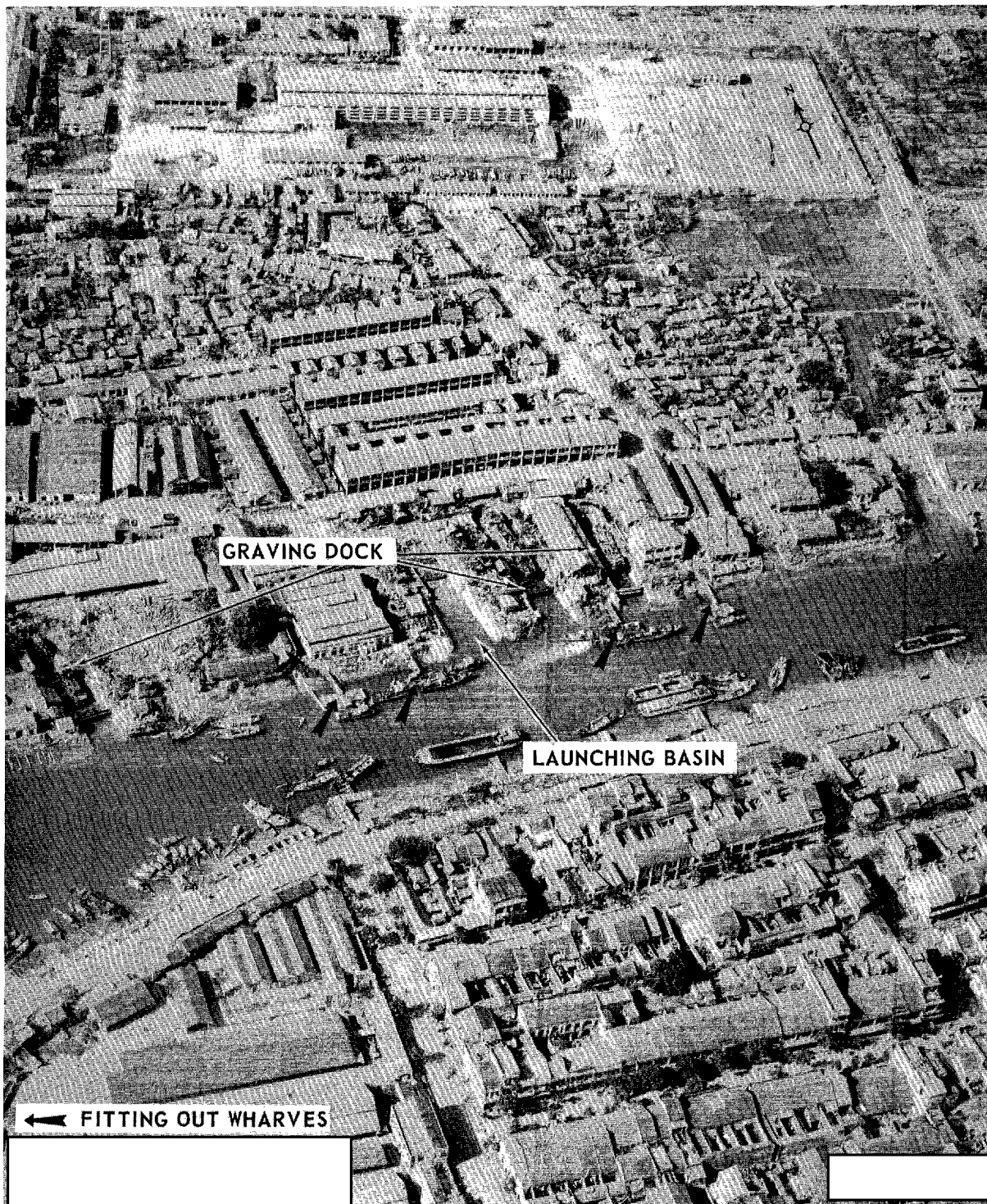


CONFIDENTIAL

R-90/67

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9 MAY 1967

25X1



25X1D

25X1

HAI PHONG SHIP REPAIR YARD NO. 3 SAUVAGE, NORTH VIETNAM

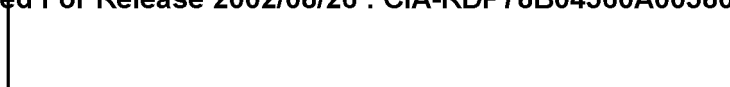
Page C20

CONFIDENTIAL

25X1

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

25X1




25X1A

	XJ738067 UTM COORDINATES	205113N 1064016E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: HAI PHONG SHIP REPAIR YARD NO. 2 SACRIC

LOCATION: ON THE WEST BANK OF THE SONG TRAM BAC (RIVER)

DESCRIPTION: YARD CONSISTS OF 2 GRAVING DOCKS 
MEASURED FROM A 420 X 90 FT LAUNCHING BASIN. THE WESTERN PORTION OF THE
YARD WAS SUBJECTED TO AN AIR STRIKE AND THE LAUNCHING BASIN IS SEVERELY
CRATERED. EIGHT SUPPORT BUILDINGS ARE DESTROYED AND 14 ARE DAMAGED. THE
GRAVING DOCKS APPEAR TO BE SERVICEABLE. YARD IS STILL OPERATIONAL. TWO
LARGE BARGES AND SEVERAL SMALL BARGES ARE UNDER CONSTRUCTION. A LARGE BARGE
OF THE SAME TYPE AS THOSE BEING BUILT IS LOCATED ADJACENT TO THE YARD.

25X1D

25X1D



MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)

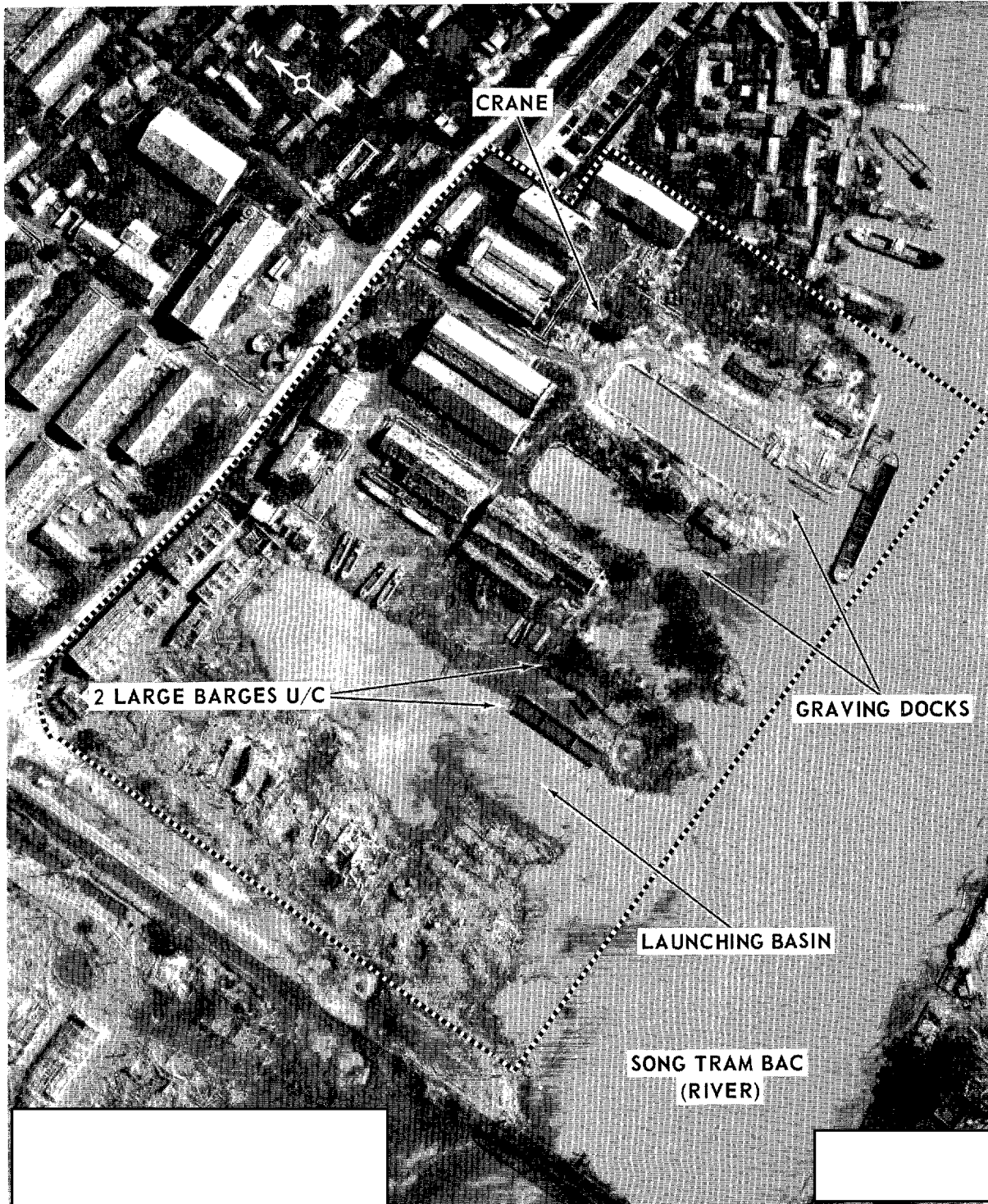
25X1



SECRET

NPIC, R-90/67
JANUARY 1968

25X1



25X1D

25X1

HAI PHONG SHIP REPAIR YARD NO. 2 SACRIC, NORTH VIETNAM

Page C22

SECRET

25X1

SECRET

NPIC/R-90/67
JANUARY 1968

25X1

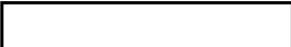


25X1A

	XJ732065 UTM COORDINATES	205110N 1063951E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: HAI PHONG SHIPYARD WEST

LOCATION: ON THE WEST BANK OF THE SONG TRAM BAC (RIVER)

DESCRIPTION: YARD CONSISTS OF 2 GRAVING DOCKS MEASURING  (BOTH LIGHTLY DAMAGED BUT APPARENTLY SERVICEABLE), 2 DESTROYED COVERED BUILDING WAYS, A HEAVILY CRATERED LAUNCHING BASIN, AND 16 SUPPORT BUILDINGS (13 DESTROYED AND 3 DAMAGED). SEVERAL BARGES AND SMALL CRAFT UNDER CONSTRUCTION IN AREA ARE DAMAGED OR SUNK.

25X1D

25X1D

25X1D

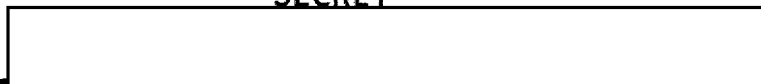


MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)

Page C23

SECRET

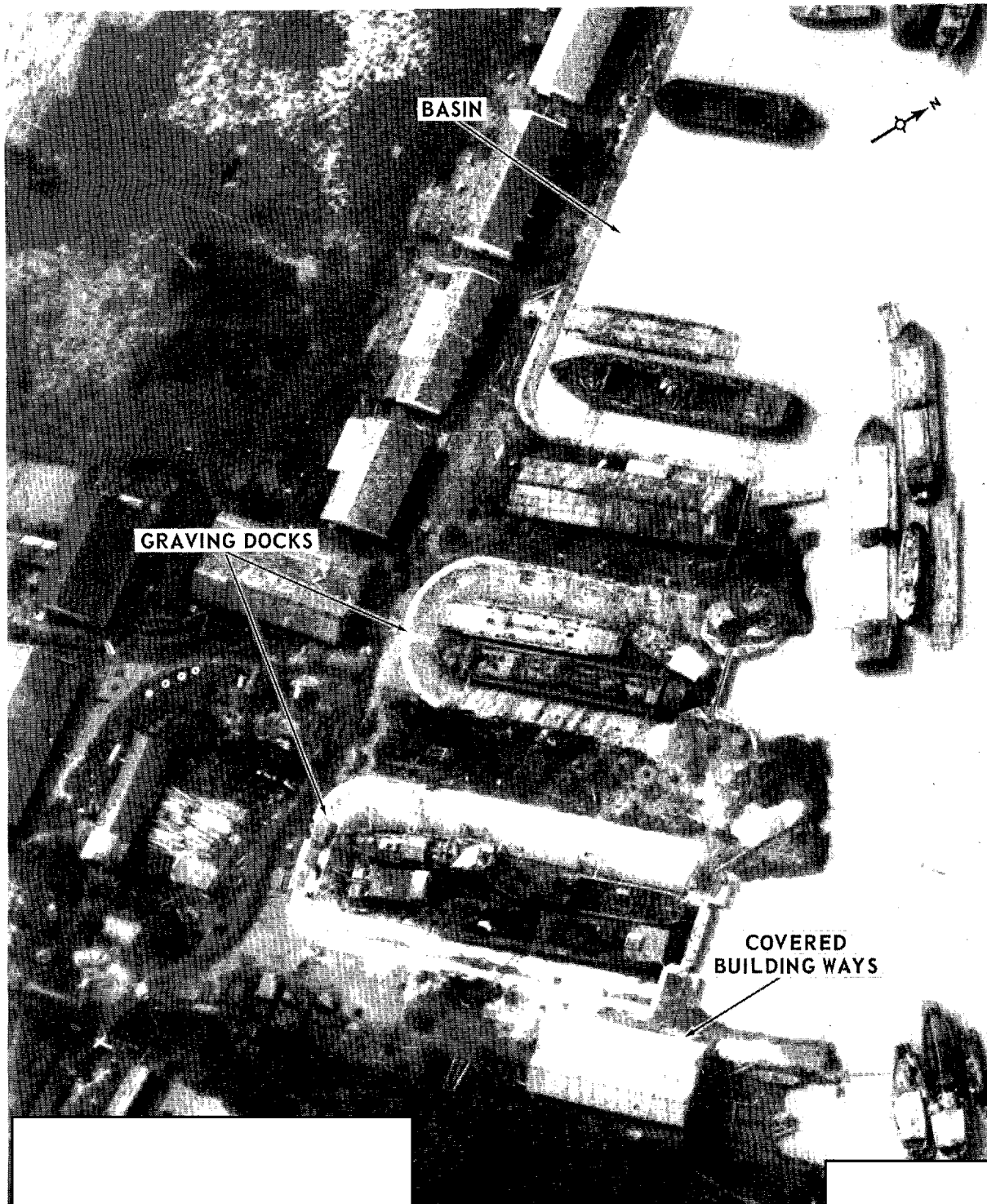
25X1



CONFIDENTIAL

R-90/67
MAY 1967

25X1



25X1D

25X1

HAI PHONG SHIPYARD WEST, NORTH VIETNAM

Page C24

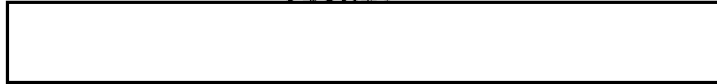
CONFIDENTIAL

25X1

~~SECRET~~

PLC/R-90/67
MAY 1967

25X1



25X1A

	XJ732061 UTM COORDINATES	205052N 1063954E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: HAI PHONG SHIPYARD VINH KHE

LOCATION: ON THE WEST BANK OF THE SONG DAO LACH TRAY (RIVER)

DESCRIPTION: SMALL SHIP BUILDING FACILITY CONSISTS OF AT LEAST 2 MARINE RAILWAYS. PHOTOGRAPHY  REVEALS A FERRY BOAT IN A LATE STAGE OF CONSTRUCTION AND A PARTIALLY COMPLETED BARGE ON THE MARINE RAILWAYS.

25X1D

25X1D



~~SECRET~~

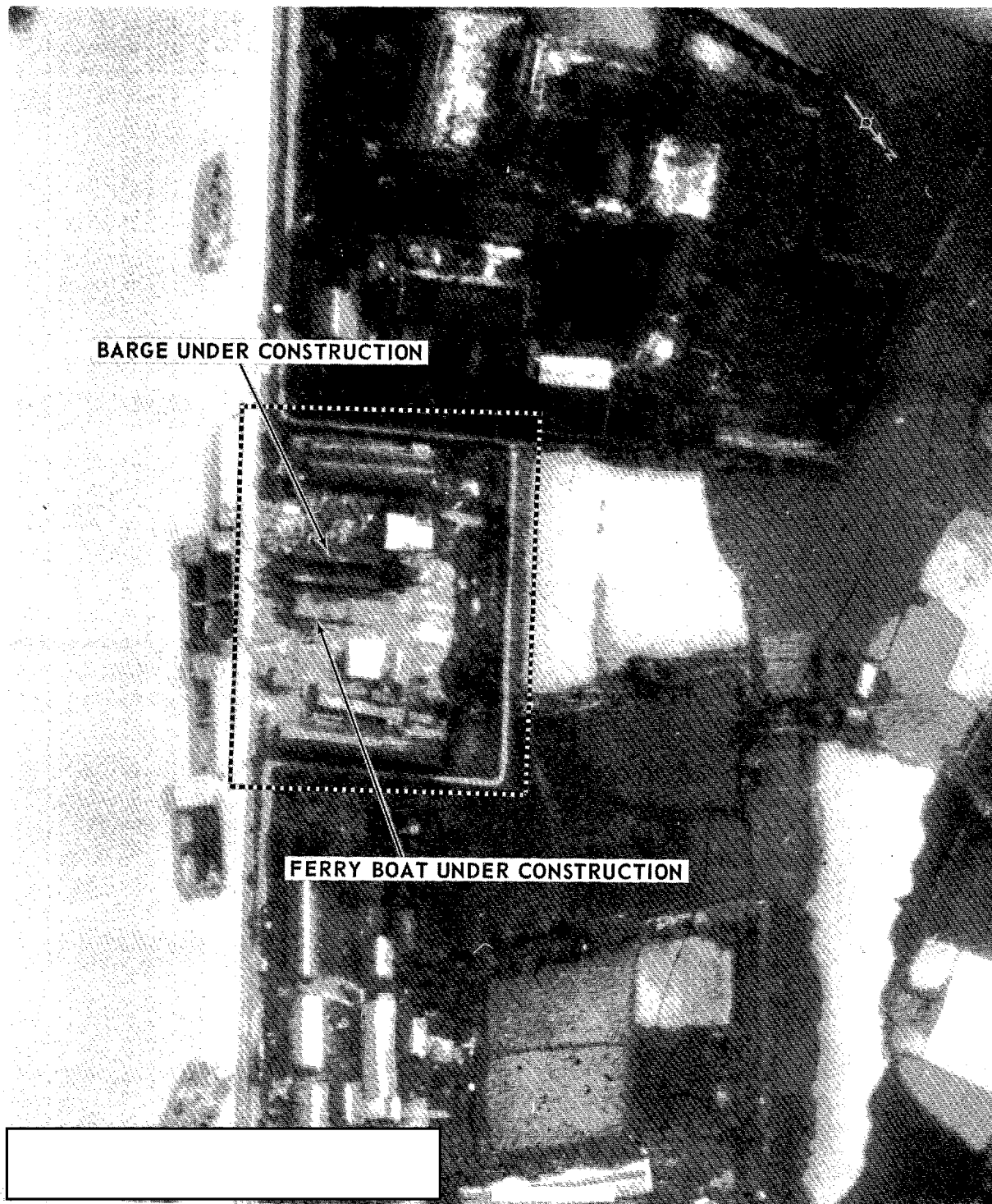
25X1



SECRET

NPIC/R-90/67
MAY 1967

25X1



25X1D

HAI PHONG SHIPYARD VINH KHE, NORTH VIETNAM

Page C26

SECRET

25X1

SECRET

NPIC/R-90/67
JANUARY 1968

25X1




25X1A

	XJ727054 UTM COORDINATES	205031N 1063924E GEOGRAPHIC COORDINATES
--	-----------------------------	--

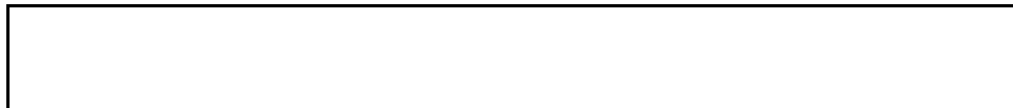
NAME: HAI PHONG SHIPYARD, LACH TRAY

LOCATION: ON THE NORTH BANK OF THE LACH TRAY (STREAM)

25X1D

DESCRIPTION: THE FACILITY CONSISTS OF 3 WET DOCKS (THE EASTERNMOST MEASURING  1 TIDAL DRYDOCK. TWO WET DOCKS ARE HEAVILY DAMAGED AND THE DRYDOCK IS POSSIBLY DAMAGED. SIX BARGES (3 SUNK) AND 8 SMALL CRAFT ARE IN THE AREA.

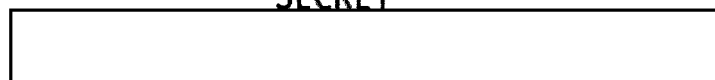
25X1D



MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)

Page C27
SECRET

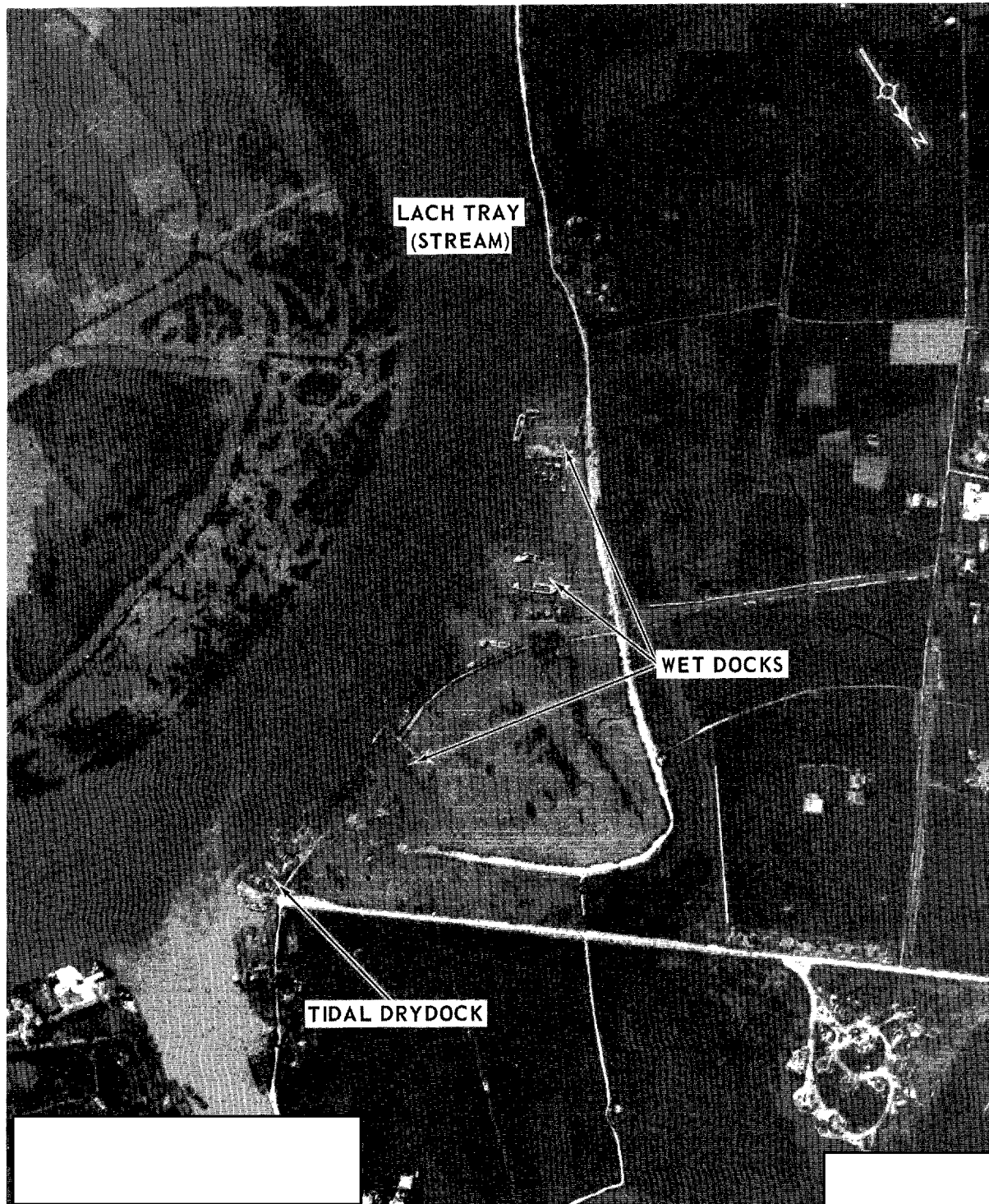
25X1



SECRET

NPIC/R-90/67
JANUARY 1968

25X1



25X1D

25X1

HAI PHONG SHIPYARD, LACH TRAY, NORTH VIETNAM

SECRET

25X1

SECRET

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

NPIC R-90/67
JANUARY 1968

25X1

25X1A

XJ720050
UTM COORDINATES

205019N 1063913E
GEOGRAPHIC COORDINATES

NAME: HAI PHONG SHIPYARD, LACH TRAY SOUTH

LOCATION: 0.4 NM SW OF HAI PHONG SHIPYARD LACH TRAY
THE WEST BANK OF THE LACH TRAY (STREAM)

ON 25X1A

DESCRIPTION: SMALL BOAT YARD CONSISTS OF WET DOCK, 1 TIDAL BASIN, AND 4
SHOPS/SUPPORT BUILDINGS. TWO BARGES ARE UNDER CONSTRUCTION IN THE TIDAL
BASIN. SEVENTEEN RIVER CRAFT ARE IN THE VICINITY.

25X1D

MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)

Page C29

SECRET

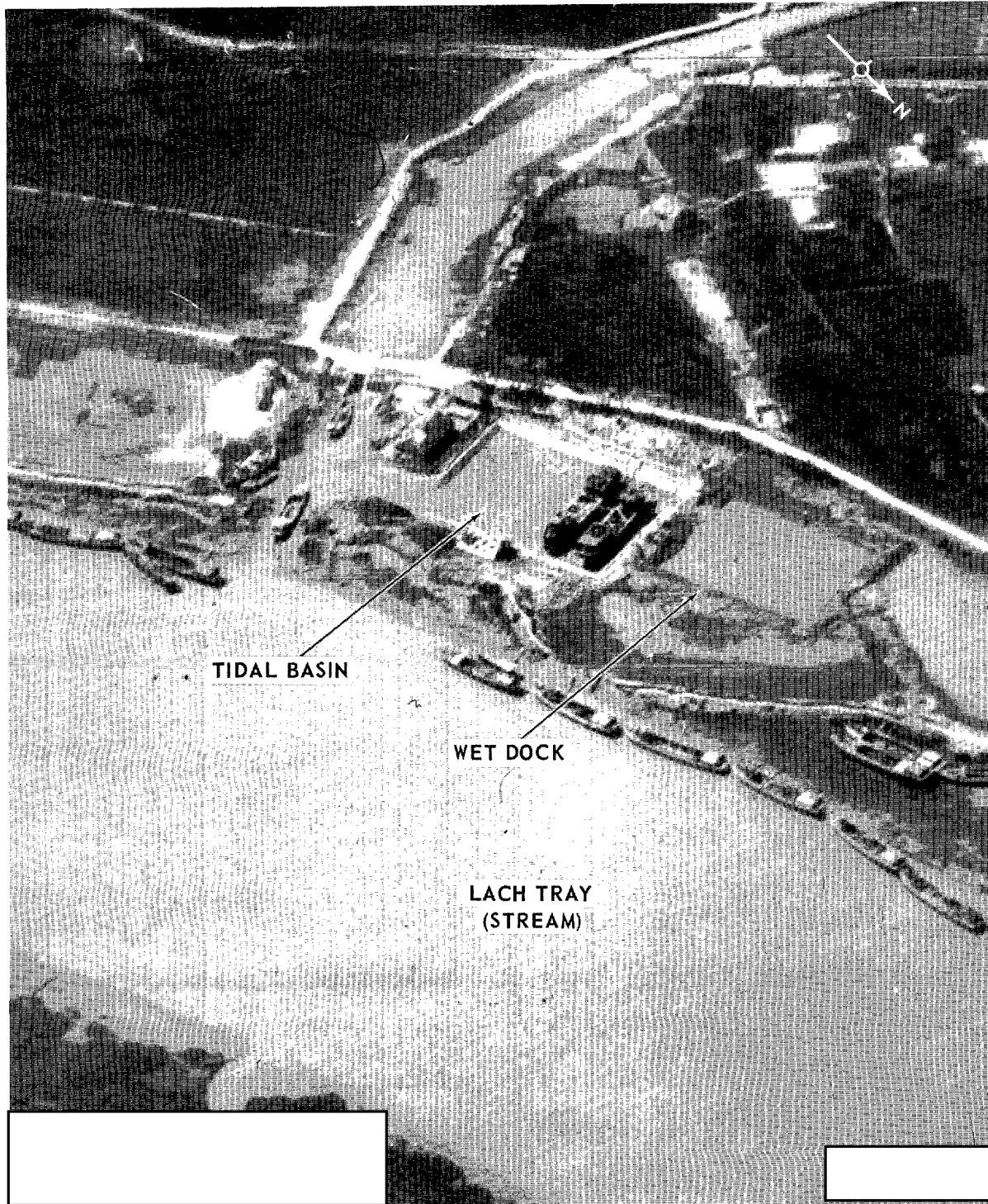
25X1

Approved For Release 2002/08/26 : CIA-RDP78B04560A005800010015-9

CONFIDENTIAL

NPIC R-90/67
11 JULY 1968

25X1



25X1D

25X1

HAI PHONG SHIPYARD, LACH TRAY SOUTH, NORTH VIETNAM

CONFIDENTIAL

25X1

RIVER AND COASTAL VESSELS

A variety of river and coastal vessels are seen throughout North Vietnam. The most numerous of these are the small river sampans and pirogues (Figure 1D). These vessels may appear insignificant; however, estimating the cargo capacity of a 40-ft sampan with [redacted] beam to be approximately 3 metric tons, the 50 camouflaged sampans seen in the Khe Bo area [redacted] could have been carrying as much as 150 metric tons of supplies -- the equivalent cargo of 30 ZIL-151 trucks. The poor state of the road net, especially in the southern part of North Vietnam, and the scarcity of POL makes the numerous small river sampans a significant means of supplying the North Vietnamese units in the south.

While small river sampans and pirogues are predominant in the southern part of North Vietnam, the chief means of water transportation in the north central portion of the country appears to be the dry cargo barge. Barges are being built at small assembly yards such as the one at Phap Co (Page A24) and at large yards like Hai Phong Ship Repair Yard No. 1 (Page C18). Some barges are built abroad and shipped to North Vietnam like those seen aboard the Soviet merchant vessel [redacted] (Figure 2D). The cargo barges vary in size from approximately 35 ft, such as those under construction at Hung Yen (Page A56), to the 135-ft barges seen at Hai Phong Shipyard No. 4 Dancette (Figure 3D). Many barges are self-propelled like the coasting barge shown in Figure 4D. This vessel is approximately 95 ft long, has 2 cargo hatches, and appears to have a steel hull. At least 4 barges of this class were seen at Quang Khe during the Tet Truce period [redacted] supply operation. Others are dumb barges (without engines) and must be towed or pushed (Figure 5D). This type of craft was seen in the barge building area of the Thai Nguyen Iron and Steel Combine (Page A52) and again near Quang Khe during the Tet Truce supply operation.

Also important in North Vietnamese cargo movement is the mechanized landing craft (LCM) shown in Figure 12D. The LCM has the unique capability of being able to load and offload vehicles, containers, and some bulk cargo without the use of special handling equipment. This capability makes it possible to transship anywhere along the rivers where terrain permits. Photography [redacted] revealed 6 LCM's at Hai Phong. Prior to this, the greatest number of LCM's observed at any one time was three. A further increase was noted [redacted] when 23 LCM's were observed in North Vietnam. The increase in number together with the versatility of the LCM make it an important item in the North Vietnamese transportation inventory.

Although not as numerous as the dry cargo barges, the POL barges are necessary to the economy of the country. Since airstrikes have heavily damaged the Hai Phong POL terminal, incoming tankers must anchor at one of the two POL anchorages, and the POL is transported by lighter to shore. The POL barges are of 4 types: one is approximately [redacted] long with a beam [redacted] (Figure 6D); another is approximately [redacted] with a beam of approximately 25 ft (Figure 7D). Two other types of POL barges have been observed, but no measurements are available for these vessels. POL may be shipped in sampans especially adapted for carrying bulk POL, such as the one shown in

D-I

CONFIDENTIAL

CONFIDENTIAL

NPIC/R-90/67
JANUARY 1968

25X1

25X1D

Figure 8D.

25X1D

25X1D

25X1D

25X1D

A potentially important cargo carrier in North Vietnam is the small logistics ship (SL-1-class) shown in Figure 9D. The ship measures approximately 120 ft long, has a 20-ft beam, and a cargo hatch measuring approximately [REDACTED]. It is armed with 2 small caliber guns. This class of ship was engaged in moving supplies southward during the Tet Truce period. At least 14 ships of this type were photographed while operating in waters near Quang Khe in the southern panhandle of North Vietnam [REDACTED]

[REDACTED] 13 were observed while in port at Hai Phong. Only 3 were seen at Hai Phong [REDACTED] 11 ships of this type were seen at 21-18-47'N 106-27-50'E, 29 nm NNW of Hai Phong, and 10.5 nm SE of the large Kep Barracks and Storage Area. Eight SL-1-class cargo vessels were seen in port at Hai Phong [REDACTED] and 16 were observed again at 21-18-47'N 106-27-50'E [REDACTED]

Although these vessels are not yet known to be North Vietnamese, the addition of this size of vessel to the seven smaller types of coastal cargo vessels already in the North Vietnamese inventory would greatly increase the capacity of the coastal cargo fleet.

25X1D

25X1D

Silting, a major problem in North Vietnam which has previously been mentioned in this publication, is combatted with several types of dredges. At least one large bucket dredge, believed to be of Chinese origin, has been seen in the Hai Phong area for several years. A bucket dredge [REDACTED] superstructure is shown in Figure 10D. This vessel, or one of the same class, was observed [REDACTED]

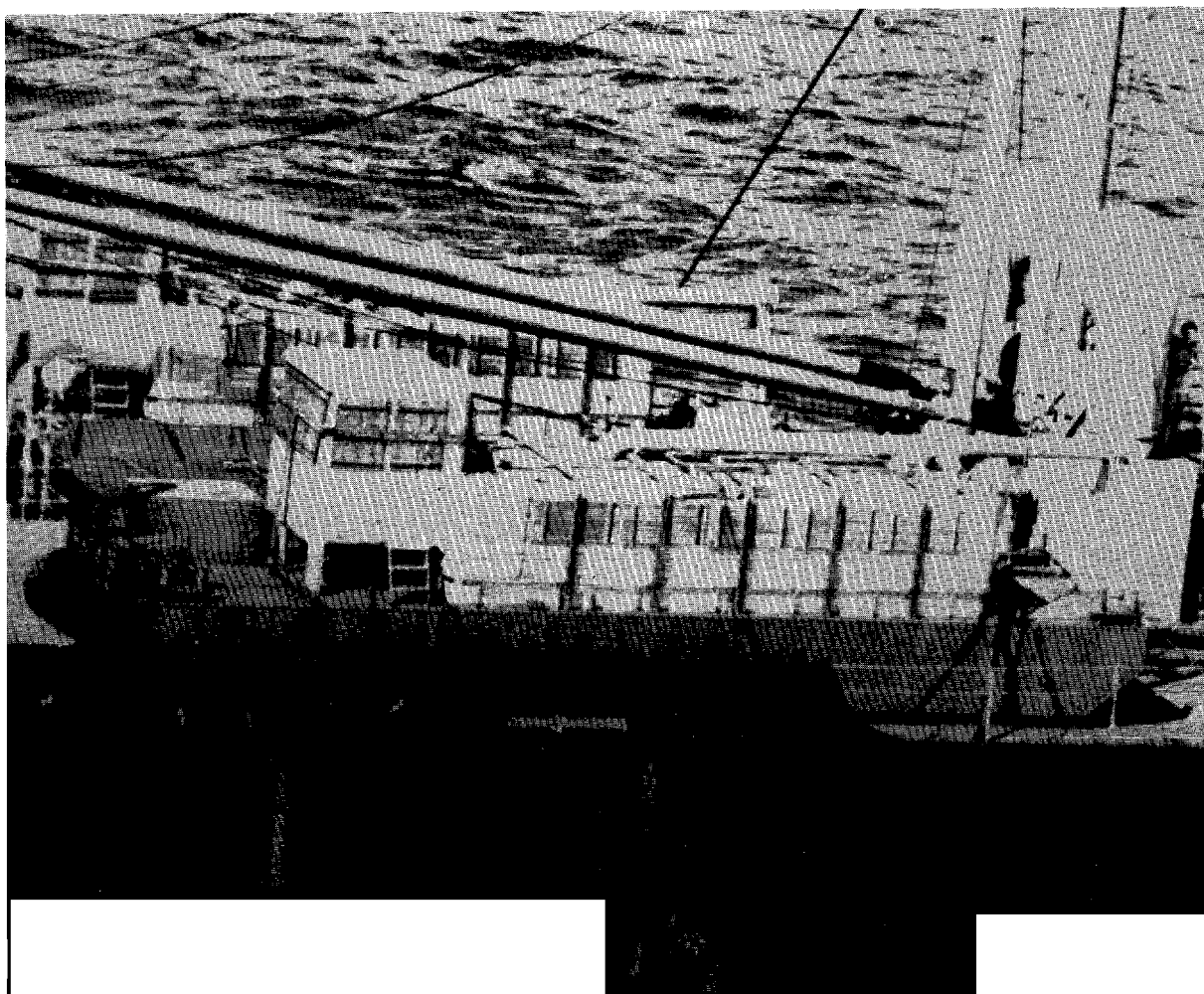
[REDACTED] near the Ha Tou boat repair facility. This large vessel is too cumbersome to navigate some of the small canals and rivers in the delta area; the Soviet-built ZRS-1-class suction dredges (Figure 11D) are used for these areas. At least 10 of these dredges are known to be in North Vietnam.

D-II

CONFIDENTIAL

25X1

25X1



25X1D

25X1

FIGURE 11D. SOVIET-BUILT ZRS-1-CLASS SUCTION DREDGE INBOUND TO HAI PHONG.

25X1

CONFIDENTIAL



25X1

CONFIDENTIAL

NPIC R-90/67
JANUARY 1968

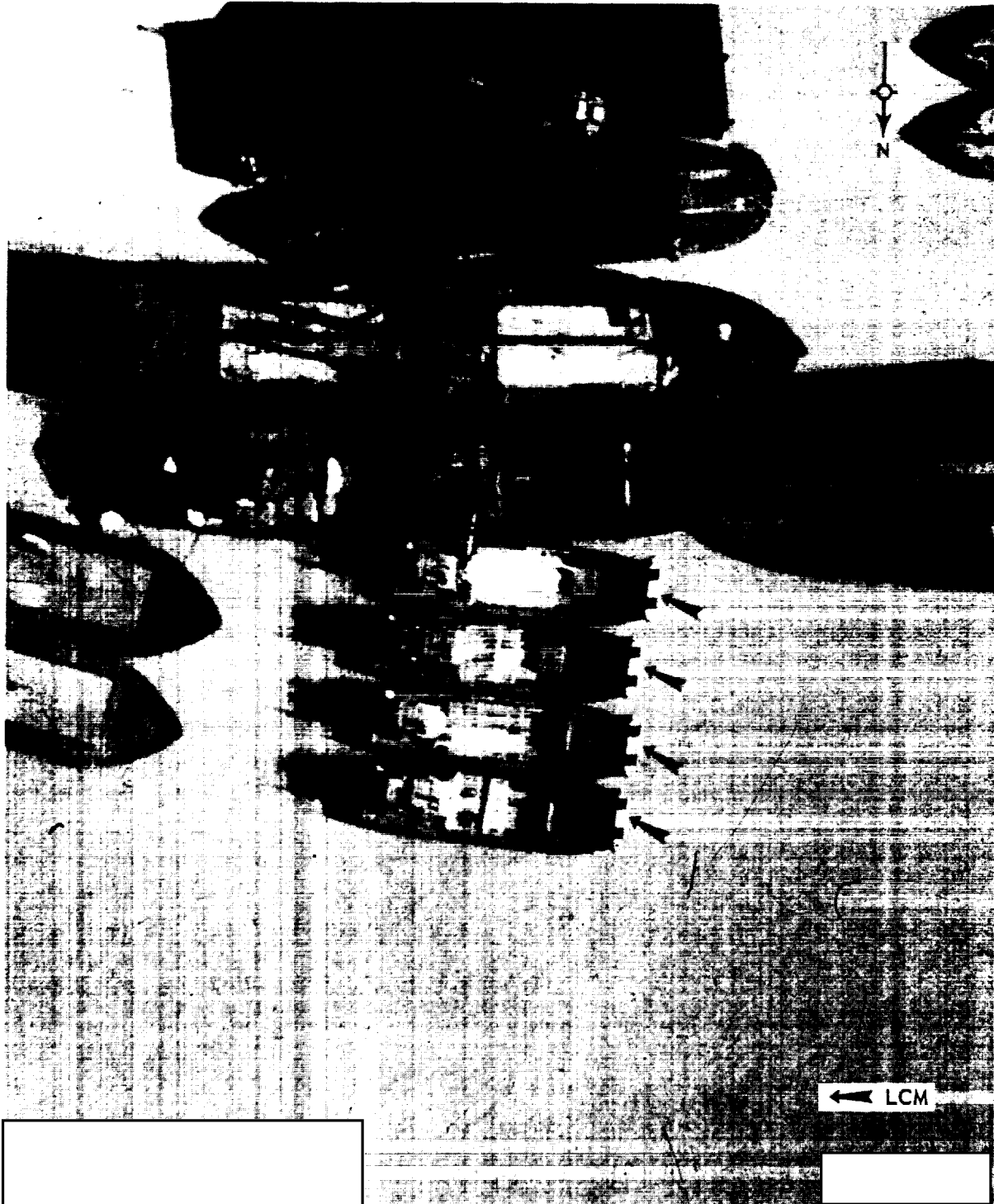


FIGURE 12D. MECHANIZED LANDING CRAFT (LCM) AT HAI PHONG COAL WHARF

25X1D

25X1

25X1

CONFIDENTIAL

25X1

INDEX OF TARGETS

INSTALLATION NAME	GEO. COORDS.	PAGE NOS.
LINH HAI TRANSSHIPMENT POINT	170245N 1065722E	B49, B50
QUANG KHE TRANSSHIPMENT POINT	174200N 1062800E	B47, B48
QUANG KHE BOAT YARD	174200N 1062900E	A53, A54
LANG HUNG TRANSSHIPMENT POINT	183012N 1052025E	B37, B38
TIEP VO TRANSSHIPMENT POINT	183048N 1054140E	B39, B40
PHAT LAT TRANSSHIPMENT POINT	183640N 1053640E	B43, B44
TAM XUAN THUONG TRANSSHIPMENT POINT	183605N 1054140E	B33, B34
KHE BO TRANSSHIPMENT POINT, SONG CA	191000N 1044056E	B41, B42
QUAN XA BOAT YARD	195315N 1054410E	A65, A66
NINH BINH SHIP REPAIR YARD	201519N 1055931E	A35, A36
PHU LY TRANSSHIPMENT POINT, SONG DAY	203115N 1055510E	B25, B26
SUOI RUT BOAT REPAIR FACILITY	204536N 1059445E	A1, A2
HA DONG BOAT YARD	205900N 1054700E	A41, A42
HA NOI SHIPYARD, THUONG THON	205935N 1055355E	A9, A10
HA NOI SHIPYARD, THANH TRI	205959N 1055340E	A7, A8
KENH DAO BOAT YARD	200550N 1060053E	A45, A46
YEN PHUC BARGE YARD	201452N 1060047E	A37, A38
THAI BINH BOAT YARD	202656N 1062150E	A33, A34
HUNG YEN TRANSSHIPMENT POINT	203804N 1060225E	B51, B52
HUNG YEN BOAT YARD	203847N 1060738E	A55, A56
KIEN AN SHIPYARD, PHUONG CHU	205045N 1063417E	A31, A32
HAI PHONG SHIPYARD, LACH TRAY SOUTH	205019N 1063913E	C29, C30
HAI PHONG SHIPYARD, LACH TRAY	205031N 1063924E	C27, C28
HAI PHONG SHIPYARD, VINH KHE	205052N 1063954E	C25, C26
HAI PHONG SHIPYARD WEST	205110N 1063951E	C23, C24
HAI PHONG SHIP REPAIR YARD NO. 2 SACRIC	205113N 1064016E	C21, C22
HAI PHONG SHIP REPAIR YARD NO. 3 SAUVAGE	205121N 1064032E	C19, C20
HAI PHONG NAVAL BASE	205150N 1064051E	C7, C8
HAI PHONG SHIPYARD NO. 4 DANCETTE	205154N 1064038E	C5, C6
HOSPITAL WHARF, HAI PHONG	205153N 1064113E	C9, C10
HAI PHONG SHIP REPAIR YARD NO. 1	205120N 1064215E	C17, C18
CAM LO TRANSSHIPMENT POINT	205225N 1063915E	C1, C2
THUONG LY BOAT REPAIR YARD	205212N 1064010E	C3, C4
CHAMBER OF COMMERCE WHARVES, HAI PHONG	205200N 1064140E	C11, C12
HAI PHONG COAL AND ICE PLANT WHARVES	205208N 1064155E	C15, C16
HAI PHONG SHIPYARD NORTH	205224N 1064148E	C13, C14
LOI DONG TRANSSHIPMENT POINT, CUA CAM	205315N 1063718E	B45, B46
KIM SON SHIPYARD	205548N 1063335E	A61, A62
THAI LAI BOAT YARD	205552N 1063610E	A73, A74
QUANG YEN TRANSSHIPMENT POINT, SONG CHANH	205602N 1064825E	B19, B20
XUAN DAI TRANSSHIPMENT POINT	205730N 1061720E	B53, B54
DONG NIEN TRANSSHIPMENT POINT	205718N 1061815E	B55, B56
CO PHUC BARGE YARD	205705N 1063233E	A57, A58
TRANG KINH TRANSSHIPMENT POINT, SONG THAI	205740N 1064600E	B17, B18
GIA DUC TRANSSHIPMENT POINT, SONG LEO	205810N 1064555E	B15, B16
AN NINH NOI SHIPYARD	205904N 1063406E	A21, A22

1
~~SECRET~~

25X1

~~SECRET~~PIC/R-90/67
JANUARY 1968

25X1

YEN CUONG BOAT YARD	205930N 1063430E A19, A20
NHU Y TRUNG TRANSSHIPMENT POINT	205952N 1064351E B9, B10
PORT REDON COASTAL TRANSSHIPMENT POINT	205915N 1064605E B13, B14
PHO CAT BA COASTAL TRANSSHIPMENT POINT	204322N 1070325E B23, B24
HA TOU BOAT REPAIR FACILITY	205555N 1070905E A27, A28
HON GAI PORT FACILITIES	205659N 1070520E B21, B22
HON GAI NAVAL BASE AND SHIPYARD, BAI CHAY	205745N 1070353E A25, A26
HON GAI SHIP REPAIR YARD WEST	205817N 1070307E A59, A60
HA NOI PORT FACILITIES	210048N 1055211E B3, B4
GIA THUONG RAIL FERRY FITTING OUT FACILITY	210350N 1055214E A47, A48
HA NOI SHIPYARD, THUONG THUY	210518N 1054528E A43, A44
XOM TRAI BOAT BUILDING YARD	211035N 1052835E A49, A50
HOA LOAN BOAT YARD	211657N 1052643E A3, A4
LANG LAU BARGE CONSTRUCTION YARD	213342N 1055158E A63, A64
THAI NGUYEN IRON - STEEL COMB., SHIPBLDG AREA	213312N 1055210E A51, A52
YEN CUONG BOAT REPAIR YARD	210005N 1063310E A71, A72
PHAP CO SHIPYARD	210045N 1063545E A23, A24
HOANH MA BOAT YARD	210121N 1063954E A67, A68
UONG BI BOAT YARD, THAI KHE	210158N 1064758E A17, A18
THUONG TRA BOAT YARD	210248N 1063227E A11, A12
HA CHIEU BOAT REPAIR YARD	210248N 1063520E A15, A16
HA CHIEU TRANSSHIPMENT POINT, SONG DA BACH	210254N 1063527E B5, B6
UONG BI TRANSSHIPMENT POINT, SONG THAI KHE	210200N 1064720E B11, B12
HA CHIEU BOAT YARD, SONG HA	210303N 1063515E A13, A14
DAP CAU TRANSSHIPMENT POINT EAST, SONG CAU	211200N 1060617E B1, B2
BAC GIANG POWERPLANT WHARF	211811N 1061203E B31, B32
TIEN NHA BOAT YARD	211846N 1062636E A5, A6
AP DA CHONG BARGE YARD	210000N 1071501E A29, A30
CAM PHA PORT FACILITIES	210122N 1072235E B29, B30
MONG DUONG TRANSSHIPMENT POINT	210345N 1072040E B35, B36
PORT WALLUT NAVAL BASE AND SHIPYARD	211201N 1073425E A39, A40
TIEN YEN BOAT YARD	211918N 1072418E A69, A70
TIEN YEN TRANSSHIPMENT POINT	211935N 1072400E B57, B58
NAM THON COASTAL TRANSSHIPMENT POINT	212913N 1075653E B27, B28

II

~~SECRET~~

25X1

25X1C